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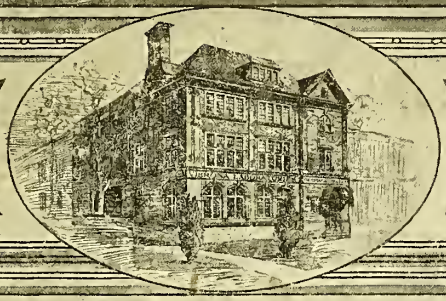

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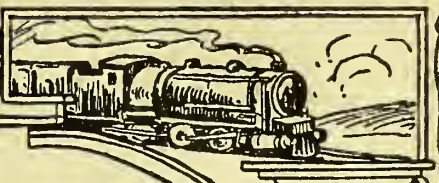

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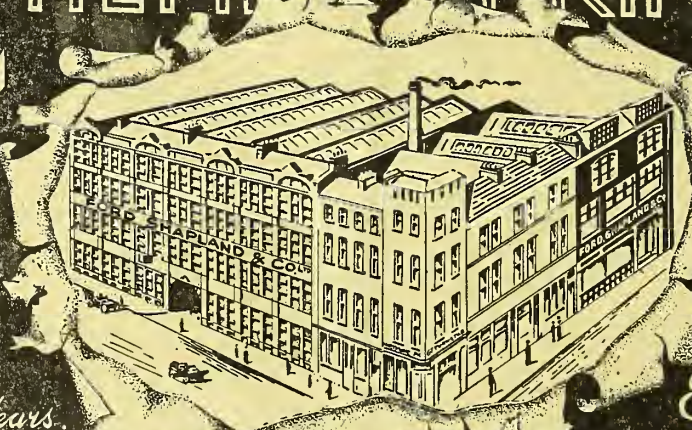

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All clinical reports confirm the superiority of Colloidal over molecular solutions.

are Colloidal Drugs, adopted by the medical profession and hospitals.

SPECIAL COLLOIDS.

COLLOSOL ARGENTUM.

A non-toxic antiseptic, for all purposes, by tropical application. Indicated in affections of the Throat, Ear, Nose and Eye—especially in Influenza. Also by internal administration, in diarrhœa and intestinal disorders.

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Indicated in Rheumatism and skin affections. (See "British Medical Journal," 12th May, 1917.) These baths are more potent than any natural sulphur waters, contain no impurities, no free sulphuretted hydrogen, and do not injure the home bath.

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An ideal food-tonic, containing the best principles of meat and malt, in combination with colloidal iron, in which form alone iron is perfectly assimilable and avoids constipation and digestive troubles.

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Specially indicated in piles and leucorrhœa.
Also Suppositories and Pessaries of Cocaine and Quinine for special purposes.

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Profit to Chemists 33⅓% on outlay, or 25% on returns.

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Maw's Page.

NUMBER 368. NOV. 2, 1918

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SACCHARIN TEA SWEETENERS.

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In Envelopes of 100, Retail **1/7½**

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Carriage paid. Cash with order.

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BUY ONLY WITH A GUARANTEE AS TO PURITY.

SACCHARIN TABLETS.

330, ¼-grain. A guarantee on each invoice.

1 lb. (8 000), 14/6 per 1,000. 3 lb., 13/3 per 1,000.

Sample 1,000 for **16/6**. Special quotations for Wholesale.

Cheque with Order, crossed London City and Midland Bank.

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"HOLMIER" BRAND

COMPOUND SACCHARIN TABLETS.

One is equal to a teaspoonful of sugar.

Made with American 550 Saccharin. 5,000 lots @ **14/-** per 1000; 10,000 @ **13/9**; 20,000 @ **13/6**; 50,000 @ **13/3**; 100,000 @ **13/-**; 1,000,000 @ **12/6**. Net c.w.o. *Immediate Delivery.*

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The most convenient (Prov. Pat. 127/18)

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SACCHARIN TABLETS

(from Imported Saccharin)

¼ grain of 330 in 1 grain.

Guaranteed Pure and Easily Soluble.

In Lots of NOT LESS THAN 5,000,

13/9 per 1,000.

Special Terms for Large Quantities.

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THE B. & A. TRADING CO.

announce that their Works are now under entirely

NEW MANAGEMENT,

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SACCHARIN TABLETS

Send at once for Sample.

¼-grain in one (330)	½-grain in one (330)
12 9 per 1,000.	**17/6** per 1,000.

£5 will be paid to any of our Clients if Tablets are different from Sample.

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"BENNET'S"

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The Finest yet offered. Soluble.

Immediate Delivery from Stock.

1 lb.	...	...	£7 0 0	per lb.
5 lb.	...	...	£6 18 9	"
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SPECIAL OFFER OF FIVE MILLION FOR IMMEDIATE DELIVERY.

Guaranteed absolutely Pure and Soluble.

Made from finest American 550 Monsanto Saccharin.

¼ grain, 330 in 1.
Equal to one lump of Sugar.
(Over 7,000 to the lb.)

		£	s.	d.
1 lb.	@	4	15	0
2 ,,	,,	4	14	0
4 ,,	,,	4	13	0
7 ,,	,,	4	12	0
14 ,,	,,	4	10	0
28 ,,	,,	4	9	0
56 ,,	,,	4	8	0

Or 20,000 @ 13/6
100,000 ,, 13/-
500,000 ,, 12/6
per 1,000.

⅓ grain, 330 in 1.
Equal to most ½-gr. tablets.
(Over 7,000 to the lb.)

		£	s.	d.
1 lb.	@	5	12	6
2 ,,	,,	5	12	0
4 ,,	,,	5	11	6
7 ,,	,,	5	11	0
14 ,,	,,	5	10	6
28 ,,	,,	5	10	0
56 ,,	,,	5	9	0

Or 20,000 @ 16/-
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500,000 ,, 15/6
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Registered Post Free.

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¼ gr. 550 @ 18/- per 1,000.
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Not less than 5,000 tablets supplied. Registered postage 8d.
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W. BENNISON & CO.
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Telephone: Ave 3727. Telegrams: "Polychem, Fen, London."

The Original Advertiser of
SACCHARIN TABLETS

½ gr. 330 in 1. *Still leads and offers*

1 lb. (average over 7,000) ...	130/- per lb.
2 lb....	129/- „
5 lb....	128/- „
10 lb....	127/- „

10,000 @ 18/6 per thousand.

¼ gr. 330 in 1.

1 lb. (average over 7,000) ...	90/- per lb.
2 lb....	89/- „
5 lb....	88/- „
10 lb....	87/- „

10,000 @ 13/- per thousand.

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SAME DAY AS ORDER RECEIVED.
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"HALACO" THE SIGN OF QUALITY.

HONEY—Finest White Set
Nominal 1-lb. Glass Containers, 28/- doz.
„ „ Wood Pulp „ 26/- „
Net Cash.

SWEETENING POWDER
"HALACO" The Record Seller
7½d. packets, 54/- gross, net.
Cash with order.

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The Best, 1/10 lb.

SOOTHERS From 11/6 gross.

SANITARY TOWELS
1's 12/6, 2's 18/- gross.

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HASTING, LANG & CO., LTD.
Wholesale Druggists & Manufacturing Chemists,
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SACCHARIN TABLETS

In any quantity—direct from the Manufacturer.

THE TURNER CHEMICAL MANUFACTURING CO. are the *actual makers* of Saccharin Tablets. Their tableting machinery is the most up-to-date and efficient in the country. They can assure *prompt delivery and good goods.*

A Guarantee.

The Turner Chemical Manufacturing Co. are in a position to GUARANTEE the strength of their Tablets as follows:—

½-grain—330 strength in a one grain tablet.
7,000 Tablets=one pound in weight.
Quantities up to 100,000, £1 1s. per 1,000

⅓-grain ditto ditto
Quantities up to 100,000, 17s. 6d. per 1,000

¼-grain ditto ditto
Quantities up to 100,000, 14s. per 1,000

The above prices are for Saccharin Tablets in bulk.

Special prices for larger quantities and for Saccharin Tablets packed in unlabelled bottles.

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Saccharin Tablets.

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£6 10 0 per lb. Cash with Order.
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SWEETENING TABLETS AND POWDER.

TABLETS.		POWDER.	
1/3 Packets ...	13/- doz.	9d. Boxes ...	7/6 doz.
2/- Boxes ...	20/- ,,	1/3 ,, ...	12/- ,,
3/6 ,, ...	34/- ,,	5/- ,, ...	48/- ,,

TERMS—Cash with Order. 2½ % Discount.

The only Tablets and Powder with an Analyst's guarantee of Purity and Harmlessness.

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Nearly twenty times Sweeter than Sugar.

Chemists should recommend it as being handier and better than Saccharin Tablets for home consumption.
Soluble Sucron retails at 9½d. and 1/6 per packet, and if bought in gross quantities shows a profit of upwards of 25 per cent. on turnover.

Wholesale 7/6 and 14/- per dozen; 84/- and 162/- per gross.
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A cheque for £2 4s. will bring you, carriage paid, 4 dozen 9½d. and 1 dozen 1/6 packets, together with Showcard; and for £5 3s. 6d. 9 dozen 9½d. packets and 3 dozen 1/6 packets.

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SACCAS
SWEETENING TABLETS

One tablet guaranteed equal to large lump of SUGAR.

In lots of not less than 5,000, 12/6 per 1,000.
Special Terms for Large Quantities.
Cash with order. Carriage Paid. Immediate Delivery.

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Envelopes containing 100
UNCONTROLLED
SACCHARINE TABLETS

¼ gr., 330, @ 20/- per dozen net.
½ gr., 330, @ 24/- ,, ,,
Tubes, 1/- per dozen extra.
Special quotations for bulk.

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Delivery day after receipt of Order.

THE CLEVELEYS CHEMICAL COMPANY
22 & 23 Gt. Tower Street, London, E.C. 3.

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SACCHARIN (MONSANTO) TABLETS

½ grain 330 in each Tablet.
18/- per 1000. Reduction for large quantities. Cash with Order. Carriage paid.

SWEETENING POWDER.

16 times as Sweet as Sugar.

17/- per lb. Cash with Order. Carriage paid. Containers free. Perfectly pure, white, and soluble.

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Made from best Monsanto Saccharin.
¼ grain 330 in 1. 90/- per lb.
Enveloped in 100's, 13/6 per thousand. 2-oz. Sample, 12/-.
Not less than 7,500 tablets to the lb.
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Powder, without a rival for Cakes, Puddings, and all purposes where the Tablet Form is inconvenient.

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3 Doz. for - - - **£1**
1 Gross for - **£3 10s.**

Supplied in bulk at **7/6** per lb.
16 labels free with each pound.

WINDOW BILLS FREE
with each order.

Cash Terms. Carriage Paid.

WALTON, CHEMIST, BATLEY.

SACCHARIN TABLETS

½ gr. 330 in 1.

Neatest and Sweetest.

£6-18-0 per lb.

or

20/- per 1,000

Over 7,000 to the lb.

SPECIAL PRICES FOR LARGER QUANTITIES.

CASH WITH ORDER. CARRIAGE PAID.

RICHARD HOULT,
73 Elford Grove, LEEDS.

SACCHARIN TABLETS

Full Strength, ½ gr. 330 in 1.

Per lb., 140/- 5000 @ 20/9 10,000 @ 20/-

½ gr. 330 in 1. 8000 to each lb.

8000 @ 15/- 30,000 @ 14/6 50,000 @ 14/- 100,000 @ 13/6

The above are made with Monsanto Saccharin and Howards' Soda, and highly appreciated.

Cash with Order. Carriage Paid.

R. GIBBINS & CO. Wholesale Tablet Manufacturers,
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A. A. TAYLOR, Ltd., beg to announce that they are now in a position to accept an unlimited amount of Mechanical Dentistry in every branch, having the largest staff of picked mechanics of any firm working for the profession, who are under the direct personal supervision of the principal.

Perfect workmanship and artistic finish guaranteed.

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WE ARE THE HENNA SHAMPOO SPECIALISTS.

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Our factories are devoted entirely to the study, development and production of the **EVAN WILLIAMS' ORIGINAL HENNA SHAMPOO.**

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Evan Williams' is the only genuine and reliable Henna Shampoo, and is guaranteed to give complete satisfaction. It is advertised in the whole of the national press which appeals specially to women, and ladies in daily increasing numbers are adopting the Evan Williams' treatment; it will pay you to secure this profitable business for your establishment.

The EVAN WILLIAMS Co. Ltd.
18 & 18a OGLE St. FOLEY St. LONDON W.1.

(2)

ELEY BROTHERS, LIMITED

specialise in the manufacture of the following articles at the lowest prices:

Shaving Stick Cases

Oval and Round Tops

for Powder Tins, Cruets, Dredgers, etc.

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for Dentifrices, Soap Tablets, etc.

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for Walking Sticks, Whips, Bamboo Fittings, etc.

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in any of the following metals: Brass, Copper or White-metal (nickel or silver - plated), Aluminium and Jewellers' Metal (Tombac).

During the continuance of the War we cannot undertake orders to make any of the above goods requiring one or more of the metals for their manufacture of which the use for commercial purposes has been prohibited by H.M. Government; but we invite inquiries, as we still have some articles in stock which were made before the prohibition was issued.

ELEY BROTHERS, Ltd.

(Dept. 21), Edmonton, London, N.

WHOLESALE :

10/-

Per Dozen Bottles.

No. 896.

RETAIL :

1/3

Per Bottle.

"KLONDOL"

is an improved Cleansing Antiseptic of the Lysol Class, and is a really good, powerful, clean working and safe Disinfectant. It is being used in many of the principal Hospitals and Institutions. "Klondol" forms a transparent solution with water, and is of maximum bactericidal potency.

INCLUDE "KLONDOL"
ON YOUR NEXT ORDER.

Write for full particulars to

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BOW, LONDON, E. 3.

"REGINA" ALWAYS PROFITABLE

"PRICE'S"

REGINA

SHAVING STICK

RETAIL PRICE 1/-

Attractive Showcard, Arresting Publicity. Immediate Sales.

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TOOTH PASTE

"STRONG" OR "MILD"

The Super Paste.

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Look for the Name and Trade Mark.

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The package is being imitated, but the contents and the trade mark are inimitable and the name of **Johnson & Johnson** is the **Hall-mark for Quality.**

Antiseptic Baby Powder

Johnson & Johnson.

Minimum Retail Selling Price P.A.T.A. 10½d. per package.
Cost 7/- per dozen net.

We are now in a position to supply THE ORIGINAL Antiseptic Baby Powder from our London warehouse.

EMPTY CONTAINERS. How to help in a War Economy.

AS it is very difficult to obtain an adequate supply of the containers for the Antiseptic Baby Powder, we consider it a National Duty at this time to endeavour to conserve these and save material and labour wherever possible. With this object in view we are prepared to make a substantial allowance for all empty containers returned to us in good condition, not scratched. For full particulars as to this allowance look for the notice which is sent out with the orders for this Antiseptic Baby Powder.

JOHN TIMPSON & CO., Ltd., 104 & 106 Golden Lane, London, E.C.1

Phone: City 6910—6911. Telegrams: "Porous London."

Still forging ahead!

in spite of the war, is the sale of Anzora. The demand is steadily increasing, and will be quadrupled after the war. Now is the time to foster the desire for this unrivalled hair fixative. If you do not stock it and supply the demand, somebody else will. We offer you good trade terms and back up your efforts with "live" advertising.

Anzora Masters the Hair.

Anzora Cream (non-greasy) & Anzora Viola (for dry scalps).

Trade Terms:—11/6 per dozen, retailed at 18/-; 19/6 per dozen, retailed at 30/-. Write to-day for showcards and full particulars.

ANZORA HAIR CREAM

THE ANZORA PERFUMERY CO.,
28, 32, 34 WILLESDEN LANE, N.W.6.

Advertising that assists YOU!

THROUGH the press, MOVOL has gained public confidence. Housewives are still being told about it. Some have yet to learn its wonderful power of making Iron-mould, Ink and Fruit stains disappear, and *all* are told that

TRADE MARK
MOVOL
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can be bought from Chemists everywhere. Have you got your stock displayed and are you reaping the profits?

Mail a P.C. for trial stock and display material to

W. EDGE & SONS, Ltd.
BOLTON, LANCS.
(The Drummer Dye People.)

140% PROFIT

Are you interested?

If so, you can gain it by buying

CARMOL SKIN TABLETS NOW

These tablets have an ESTABLISHED REPUTATION.
The best SOOTHING AGENT for all SKIN IRRITATION.
As a SKIN TONIC they have NO EQUAL.

The preparation and packing of CARMOL SKIN TABLETS are *Especially Attractive.*

Special Offer closing December 3

SAMPLE ORDER.

5 gross (on Cards) @ 8/-	£2	0	0	Sold @ 1½d. each	£4	10	0
1 gross @ 24/-	1	4	0	Sold @ 4½d. each	2	14	0
	3	4	0				
Cash Discount, 4/- ...	0	4	0				
	£3	0	0		£7	4	0

Wholesale terms on application On and after D cember 4 prices will be increased by 50%

The CARMOL Manufacturing Co.

28 Bath Row (also 137 & 138 Cregoe St.) *BIRMINGHAM*

Veldt Cream

LABEL-TITLE. COPYRIGHT

THE LIQUID VANISHING SKIN FOOD.

Guaranteed absolutely free from Glucose, Benzoin or Tragacanth, so cannot dry up the skin.

PAYS 40% ON MONTHLY BONUS TERMS.

Retail.	Size.	Price.	Free Bonus on quantities named or pro rata
3½d.	1 oz. bots.	36/- per gross	2 doz. 9d. with each gross.
9d.	3 oz. bots.	7/- per doz.	2 doz. 9d. with each 6 doz.
1/3	6 oz. bots.	12/- per doz.	2 doz. 9d. with each 4 doz.
2/6	12 oz. Bath-size bots.	24/- per doz.	2 doz. 9d. with each 2 doz.

FREE IN ADDITION TO BONUS.
On £3 orders carriage paid.
Peach and Lilies Showcard (water-colour reproduction).
Silent Salesman Showcase picturing Ellaline Terriss.
Monster Show Bottle filled with genuine "Veldt" Cream.

Obtainable on bonus terms only from
THE VELDT LABORATORY, Louth, England
or through our Special Agents,
AYRTON, SAUNDERS & CO., Ltd., LIVERPOOL.

To the Trade.

We beg to inform the trade that we have going on in the daily press a novel scheme of advertising our unique preparation to the public, and intend that the direct benefit of it shall go straight to our customers.

We therefore strongly advise you to replenish your stocks against this campaign, and orders should be sent early to avoid late deliveries.

TOZANA is obtainable from your Wholesaler or direct, and shows you a very high rate of profit.

TOZANA

HAIR FOOD

257 Gray's Inn Rd., London, W.C. 1.

The Chemists' Aperient Mineral Water

Aquaperia (Harrogate)

Standardised and Bottled by CAMWAL, Ltd., at their Spring at Harrogate.

Supplants Apenta, Hunyadi-Janos, and Enemy Waters of Similar Character.

WAR PRICES

Per **10/-** Doz.

9/6 per dozen in 6-dozen Lots.

Carriage paid on 2 dozen & upwards.

Minimum Retail Price to the Public:

Per **1/4** Bottle.

P.A.T.A.

2/- per dozen allowed for Empty Bottles returned Carriage Paid to our Factories.

Of all Wholesale Houses, and

"CAMWAL" LTD.

HARROGATE, MANCHESTER, BIRMINGHAM, BRISTOL, MITCHAM, LONDON, and Depots.

Special Export F.O.B. quotations, including packages.

Special Allowance for Window Display.

The Finest Quality Aerated Waters are made only with the Finest Quality ESSENCES

Boake Roberts'

Soluble Essences are of the finest quality and being extremely concentrated are most economical

Lemon	Ginger Ale
Orange	Stone Ginger (Cloudy)
Ginger	Clear Ginger Beer
Raspberry	Kola Champagne
Strawberry	Lime Juice and Soda
Pineapple	Lemon Squash Vanilla

A. Boake Roberts & Co. Ltd.
Stratford, London.

A Safe & Indispensable Family Remedy

EUSALINE

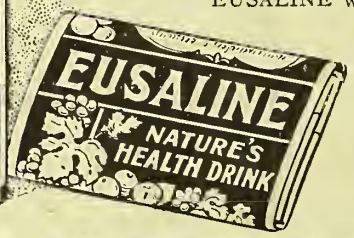
The foremost place which EUSALINE now occupies in public appreciation amongst Natural Fruit Salines has been won by its outstanding merits.

QUALITIES:
Cooling
Refreshing
Cleansing
Sparkling
Palatable

As a Morning Tonic **EUSALINE** is unrivalled, it quickly corrects all indiscretions in eating and drinking—sweetens the stomach, cleanses the system and purifies the blood.

AN ALL-THE-YEAR SELLER. KEEPS IN ALL CLIMATES.

A FAVOURITE WITH CHILDREN.—Its inviting sparkle, pleasing taste and flavour are particularly acceptable to children, who will take EUSALINE when they refuse all other aperients.



WHOLESALE TERMS.

FUSALINE is Retailed at **1/9** per bottle, Wholesale price. **15/-**, per dozen. Discount 15% and Carriage Paid on **£5** orders. Can also be had in boxes containing 13 packets, to retail at 1½d. per packet, and **1/6** per box. Wholesale price, **13/-** per gross. Discount **15%**, plus bonus, according to quantity ordered. Carriage Paid on **£5** orders.

GEORGE WALKER & SON, Ltd.
Reid Street, Bridgeton - GLASGOW.

ESTABLISHED 1860.

DISTINGUISHABLE FROM ALL OTHER PREPARATIONS BY ITS GRANULAR FORM, WHICH ENSURES A DEGREE OF MEDICINAL ACTIVITY AND FRESHNESS HITHERTO UNOBTAINABLE.

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
Manufacturing Chemists

HULL.

INVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	9d.	6/6
" " " " " bottles in cartons	2/-	16/-

**Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.*

LOSALL'S COMPOUND SULPHUR SOAP.

	Box.	Doz.
A valuable emollient medicated skin soap, especially suitable for use in Eczema. 3 Tablets in a box @ 8d.	2/-	18/-

FOR LARGE BUYERS.

All Toilet Goods

Bulk or Packed.

Also Vanishing Creams, Brilliantines, Toilet Paraffins, Lime Creams, Tooth Powders, Dental Creams, Shampoo Powders, Pomade Hongroise, etc.

LOW PRICES for HIGH QUALITY.

STOKES & CO., Ltd.

Manufacturing Chemists and Perfumers,
Desk 11, 31-35 Lower Castle, BRISTOL.

(8)

IT PAYS TO PUSH
JOHN BOND'S
"CRYSTAL PALACE" MARKING INK

43% Minimum Protected Profit.

6d. size, 3/7 per dozen. Minimum protected selling price, 5d.
1/- „ 6/7 „ „ „ „ „ „ 9d.

This will show retailers a profit on the 6d. size of no less than 43%.
The rate of profit on the 1/- size will remain the same.

43% Minimum Protected Profit.

Minimum order at Wholesale rates, one Gross of 6d. size amounting to 38/- or assorted order to same value. 1/- size 69/- per Gross. Carriage paid on parcels of £5 and upwards. Smaller quantities should be ordered through any of the Wholesale Houses. When ordering please specify if Heat or Non-heat is required.

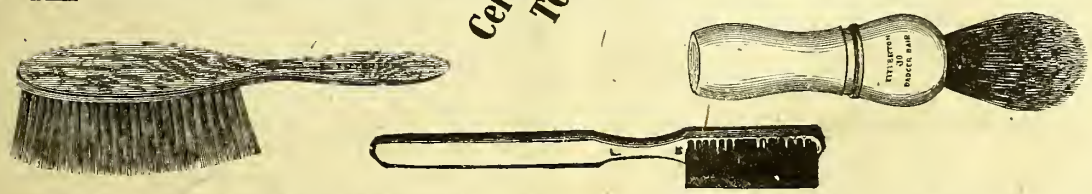
¶ A good assured minimum profit on *this* Marking Ink which will always make new customers. ¶ Compare with what you are paying for other makes, and NOTE the difference. ¶ Retailers need not fear with *this* make competition by cutters.

Manufactory : 75 SOUTHGATE ROAD, LONDON, N. 1.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
FOR QUOTATIONS apply to—
PRESTON'S LIVERPOOL DISTILLERY Co., Ld.
The Largest Makers in the Kingdom.
BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office : 4 India B'ngs, Water St., Liverpool.

ADEPS LANÆ, P.B.
THE FINEST BRITISH LANOLINE YET PRODUCED
IS MANUFACTURED BY
THE PHARMACEUTICAL LANOLINE CO.
7 Carnwath Road, Fulham, London, S.W.
WHO INVITE INQUIRIES.

Titterton's Celebrated TOILET Brushware



TITTERTON & HOWARD, 8 & 10 Great Titchfield St., London, W.1.
FACTORY: ALBION WORKS, DALSTON LANE, E.8.

FIELD'S

"SIANARA" (Regd.) Toilet Soap

With the Enchanting Perfume of OLD JAPAN.

SUPPLIED IN STANDARD **4d.** SIZE AND SHAPE.
ALSO IN
4d., 5d., 6d., and **7d.** ROUND BATH.

OWING TO THE LARGE DEMAND, AND IN VIEW OF WAR-TIME DIFFICULTIES OF MANUFACTURE, ORDERS SHOULD BE PLACED WELL IN ADVANCE OF REQUIREMENTS.

J. C. & J. FIELD, Ltd., Toilet Soap Experts. **LONDON, S.E.1.**

Telegrams: "OZOKERIT, PHONE, LONDON." ESTABLISHED 1642. Telephone: HOP 3905.

1/=

Make your old Hat a new one.

In bottles, 1/- each, in separate neat cartons, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

NO GLOSS. NO POLISH.

On the P.A.T.A.

WRITE FOR TERMS, PATTERNS, ALSO LEAFLET OF TESTIMONIALS.

"Luton" HAT DYE

WHITAKER & CO., COLOUR WORKS, KENDAL, ENG.

London Depot: 80-82 Clerkenwell Road, E.C.

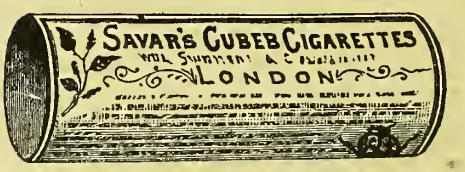
"Glossy" Series supplied if desired.

Special Non-Inflammable Series for Export. Est. 1873

Telegraphic Address: "Duilette Kendal." Telephone: No. 214.

You can always sell

SAVAR'S CUBEB CIGARETTES



A genuine relief in cases of Asthma, Catarrh, and all Throat Coughs.

On P.A.T.A.

Min. Retail		Wholesale
1/- size	-	9/- doz. net.
2/6 „	-	21/6 „ „

EVANS SONS LESCHER & WEBB LIMITED

LIVERPOOL NEW YORK LONDON

SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

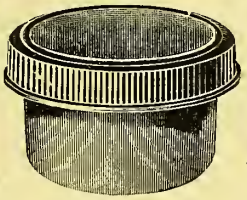
JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL." Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F. Established 1780.

We are making Lamp-blown Glassware, such as Ampoules, Hypodermic Tubes, &c., in England. Let us have your inquiries. You will find our prices competitive and our deliveries smart. Besides we also have varied stocks of Glass Bottles.

Send us your inquiries and ask for our Stock List.



Sole Agents for the "SOLIDITE" Composition Corks, made in various sizes and colours. Samples and prices will be sent on application.

JULES LANG & SON, Charlton Works, Charlton Place, ISLINGTON, LONDON, N.1.

Telegrams: "Assorted, Nordo, London." Telephones: North 1344-5 (2 lines)

Sole Proprietor: Fernand René Lang.

WOOD PULP VESSELS, Ltd.

MANUFACTURERS & EXPORTERS OF

WOOD PULP VESSELS

FOR CONFECTIONERS, CHEMISTS, GROCERS, JAM MANUFACTURERS, DAIRIES, &c. &c.

OFFICES AND FACTORIES:

233-235 Queen's Road, BATTERSEA, LONDON, S.W.

LOVELY EYELASHES (A BRITISH SCIENTIFIC TRIUMPH)

P.A.T.A.
M.R. Prices.
1/, 1/9 & 3/6
EXTENSIVELY ADVERTISED

Colourless, harmlesseyelash food. Beneficial to the eyes.

25 % on small orders, 33⅓ % on Gross Lots.

CURLASH CREAM

For a small show in your window:

OUR WINDOW-SHOW OFFER	3 Doz. @ 1/-	£1 16	0
	9 Free	9	0
	Returns	£2 5	0
	Outlay	£1 7	0
	NET PROFIT 66¾%	18	0

With Dummies and Show-cards. Carriage paid.

THE BALDWIN MFG. CO., Ltd., 95 Wigmore St., London, W. 1.

BRITISH MADE

SCENT SPRINKLERS COLLAPSIBLE TUBES

Decorated Tin Boxes & Canisters

Manufactured by

The JOHN DALE Mfg. Coy.
NEW SOUTHGATE, LONDON, N.

Milner's Chemical Co., Liverpool.

TO-DAY'S PRICES.

		6 doz.	12 doz.
"MILNER CLEANER" *For white straw hats.*	3d	10/- net	19/- net
"PLANO" *For chapped hands and roughness of the skin.*	3d.	12/- net	23/6
"RAILOX" *Nit and Lice destroyer.*	3d.	12/- net	23/6
"RAILOX"	7½d.	5/3 per dozen (Carr. paid).	

DISCOUNT.—On orders of 20/-, 2½ %; £5, 5 %; £10, 7½ %.

SPECIAL OFFER.—13 to the dozen for CASH WITH ORDER.

"ONGARD" SAFETY PINS

(GUARANTEED RUST PROOF)

ARE THE BEST FOR SURGICAL AND NURSERY PURPOSES.

SOLE MANUFACTURERS
GEORGE GOODMAN LTD.,
BIRMINGHAM.

PARFUMERIE aux FLEURS de FRANCE

(late Parfumerie Aristocratique de Paris), now incorporated in

ORELA Ltd., 37 Berners St., London, W.

ORIGINAL MAKERS OF THE
ORELA SCARLET PIMPERNEL FACE POWDER at 56/- gross.
Made in 4 tints, and put up in red box.

Poudre Delysia, Poudre Adheranta, 12 different Perfumes (3 sizes), Poudre Neferl retailing at 1/-, 1/6, 2/6, Orela de Poche.

Ambre Powder, Orela Vanishing and Skin Food Cream, Poudre of Pearls (for Perspiration), Orela Depilatory, Concentrated Perfumes, Pate Verdun Nail Paste, Orela Cuticle Cream, Orela Rouge for cheeks, lips, and nails, and for dark and fair skins, Orela Skin Food Milk, Fragranta Compacte Powder, Poudre Suzette, Shampoos, Brilliantines, Henne, Artificial Oils and Colours, Freckle Cream.

Our only Wholesale Depot—S. MAW, SON & SONS, Ld. LONDON.
Shippers' inquiries invited. Prompt deliveries.

PARSONS' GLASS WORKS

BRIDGE ROAD,
LOWER EDMONTON, LONDON, N.

MANUFACTURERS OF GLASS TUBING

MEDICAL & CHEMICAL GLASSWARE

WHOLESALE QUANTITIES ONLY SUPPLIED.

NICKELLED ZINC
TUBE CLIPS

THE MANUFACTURERS ARE

NAPPER & DAVENPORT
7-11 ST. GEORGE'S PLACE
BIRMINGHAM

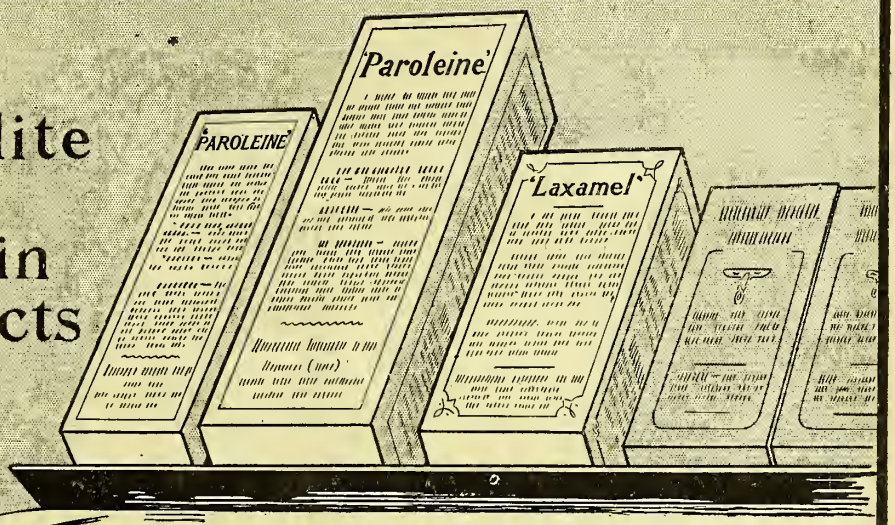
THEY HAVE MATERIAL IN STOCK

SEND YOUR ENQUIRIES WHILE SUPPLIES ARE AVAILABLE

'Paroleine' and 'Laxamel'

(Trade Mark) (Trade Mark)

The Elite of Paraffin Products



They sell themselves from your counter

Two products which give you a brisk turnover.

The immense demand for Paraffin as a laxative practically originated with and has grown up around 'PAROLEINE.'

It is the most extensively prescribed, the most often recommended and the most highly esteemed for its efficiency and correct viscosity.

'LAXAMEL,' an attractive and palatable preparation of 'PAROLEINE,' has a rapidly growing clientele of customers who cannot take the plain oil.

By displaying these products you profit most by the demand.

'Paroleine' is supplied in bottles of 4 fl. oz. at 18/0 per doz.; and 1 lb. (18-1/2 fl. oz. at 54/0 per doz.
'Laxamel' is supplied in large glass jars at 24/0 per doz.
Prices subject

BURROUGHS WELLCOME & CO., LONDON

G. 851

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THE BRITISH DRUG HOUSES LTD.

TRADE MARK.

SODIUM SALICYLATE
POWDER.

A pure white product, yielding a clear solution in distilled water. This salt is of the highest attainable degree of purity, and is guaranteed to comply with the tests of the 1914 edition of the BRITISH PHARMACOPŒIA.

Supplied in 1-lb. Card Boxes,

with the comprehensive warranty of conformity with our specification of purity known as

"P.P.P."

('Pure for Pharmaceutical Purposes.')

22-30, Graham Street, City Road, London, N.1.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists and Druggists' Society of Ireland, and of many Chemists' Societies in Australia, New Zealand and South Africa.

SUBSCRIPTION RATES.
FIFTEEN SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy, *6d.*; *Diary* 3*s.* 6*d.* post free. Postal orders and cheques should be crossed "Martin's Bank (Ltd.)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 15*s.*, franco.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 15 ch., franco.

Terms for advertising may be obtained on application to the Publisher
Head Office: 42 CANNON STREET, LONDON, E.C. 4.
Telegrams: "Chemicus Cannon, London." Telephone Central 3617 (three lines).
Branch Offices: MELBOURNE AND SYDNEY, AUSTRALIA.

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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Sunday, November 3.

United Arts and Kensington Volunteer Rifles, "B" Company (Pharmacists). At 10 A.M., company parade at headquarters (Imperial College Union, South Kensington, S.W.) for battalion drill in Hyde Park. (November 6 and 7, platoon parades at headquarters, 3 P.M.).

Monday, November 4.

Society of Chemical Industry, London Section. Rooms of the Royal Society of Arts, John Street, Adelphi, W.C., at 7.30 P.M. Monsieur Paul Kestner on "The Alsace Potash Deposits and their Economic Significance in Relation to Terms of Peace."

Tuesday, November 5.

Industrial Reconstruction Council, 2 and 4 Tudor Street, London, E.C. 4, at 6 P.M. Conference on "The Place of Conciliation and Arbitration in the Whitley Scheme."

Wednesday, November 6.

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 11 A.M. Council-meeting.

Thursday, November 7.

Chemical Society, Burlington House, Piccadilly, London, W. 1, at 8 P.M. Ordinary meeting.

East London Chemists' Association, "The Restaurant," Limehouse, adjoining Eastern Hotel, East India Dock Road, at 3 P.M. Mr. T. Edward Lescher on "Drug and Chemical Shortage."

THE DISTRIBUTION OF SUGAR in Turkey is in the hands of the chemists.

European War News.

Maximum Prices of Sulphuric Acid.

An Order will shortly be issued by the Minister of Munitions fixing as from November 1, 1918, new maximum prices for sulphuric acid in place of those fixed by an Order dated May 10, 1918. The new prices will be as follows:

1. Weak acid—*i.e.*, acid of all strengths up to and including 90 per cent. H_2SO_4:

—	Maximum Price per Ton	Remarks
Class A.—Arsenical acid	88*s.*	For acid of 142° Tw. at 60° F., with an increase or reduction of 6*d.* in respect of each complete degree Twaddell by which the specific gravity is more or less than 140° Tw. at 60° F.
Class B. — Non-arsenical or de-arsenicated acid	105*s.*	For acid of 140° Tw. at 60° F., with an increase or reduction of 7*d.* in respect of each complete degree Twaddell by which the specific gravity is more or less than 140° Tw. at 60° F.

2. Concentrated acid—*i.e.*, acid of all strengths over 90 per cent. H_2SO_4:

Monohydrate (H_2SO_4) Content of Acid	Maximum Price per Ton: Class C. Arsenical Acid	Maximum Price per Ton: Class D. De-arsenicated or Non-arsenical Acid
	£ s. d.	£ s. d.
Over 90 per cent. and up to 91 per cent.	5 19 6	7 5 3
" 91 " " 92 "	6 6 0	7 12 3
" 92 " " 93 "	6 12 6	7 19 3
" 93 " " 93½ "	6 19 0	8 6 3
" 93½ " " 94 "	7 2 3	8 9 9
" 94 " " 94½ "	7 5 6	8 13 3
" 94½ " " 95 "	7 8 9	8 16 9
" 95 " " 95½ "	7 13 9	9 2 0
" 95½ " " 96 "	7 18 9	9 7 6

Over 93 per cent. in both classes, an addition of 1*s.* 2*d.* per ton for each complete one-tenth of 1 per cent. of additional monohydrate.

Certain additional charges are authorised for package, filling, and, in certain circumstances, carriage. All communications in reference to the new Order should be made to the Director of Acid Supplies, Ministry of Munitions, Department of Explosives Supply, Storey's Gate, Westminster, S.W. 1.

Personalia.

SERGEANT W. CAUSIER, K.O.Y.L.I., has been wounded for the fifth time. He enlisted in September 1914 from the staff of J. Lumb & Co., medical-bottle makers, Castleford.

PIONEER WILFRED ANDREWS, R.E., has been wounded on service. He joined the Army when an apprentice to Mr. H. P. White, chemist and druggist, St. Leonards-on-Sea.

BOMBARDIER WALTER BIRDSALL, R.F.A., has been awarded the Military Medal. He enlisted in December 1914 from the staff of Hunt Brothers, manufacturing chemists, Castleford.

PRIVATE JOHN MARTIN, R.A.M.C., has been awarded the Military Medal. He enlisted on the outbreak of war from the staff of John Smith, jun., & Co., Ltd., manufacturing chemists, Bolton.

LIEUTENANT SYDNEY CORMACK, R.F.A., has been dangerously wounded on service. Lieutenant Cormack is the second surviving son of Mr. John Cormack, chemist and druggist, Corstorphine.

PRIVATE ARTHUR ARIS, West Yorkshire Regiment, has been awarded the Military Medal. Prior to joining the Army Private Aris was with Mr. Cornelius Bayley, chemist and druggist, Uppingham.

PRIVATE REGINALD WRIGHT, Black Watch, has been severely wounded and is in hospital in the West of England. Prior to joining the Army he was with Mr. F. Battorsby, chemist and druggist, Southport.

PRIVATE E. G. BOTO, Loyal North Lancashire Regiment, has been wounded in action, and is in hospital in Lancashire. Prior to enlistment he was with R. M. Parkinson & Sons, chemists, Curzon Street, Burnley.

CAPTAIN R. H. N. F. JOHNSON, whose promotion to his present rank has recently been announced, is the eldest son of Mr. Robert Johnson (De Roos, Johnson & Co.,

manufacturing chemists, Wellesley Road, London, N.W. 5). Captain Johnson has for twelve months been assistant-commandant at an "anti-gas school," and in addition to his ordinary duties has given numerous demonstrations.

Miscellaneous.

Rubber (Returns) Order.—Any stock of raw rubber and all waste and reclaimed rubber exceeding one ton are to be declared to the Controller of Rubber, Ministry of Munitions, 1 Grosvenor Place, London, S.W. 1.

Jam and Syrup (Registration of Dealers) Order.—This Order requires the registration of wholesale and retail dealers in jam and syrup. "Jam" includes jelly, conserve, and marmalade, while "syrup" includes treacle and refined molasses. Honey is not included in the Order.

Collection of Waste Rubber.—A scheme has been organised by the Ministry of National Service, in conjunction with other official bodies, for the salvage of waste rubber. A commencement will be made with a collection in the south-eastern region of the Ministry of National Service, comprising the whole of London, Kent, Sussex, and Surrey. Offers of waste rubber, or offers of assistance, should be made by letter or postcard addressed to the Secretary, Ministry of National Service, London and South-Eastern Region, Rubber Salvage Department, Artillery Mansions, Victoria Street, London, S.W. 1.

Military Tribunals' Decisions.

Since our Last Report the following decisions have been notified:

Grange-over-Sands.—The National Service appeal against the exemption of Mr. H. K. Duckworth, chemist and druggist, was dismissed.

Hereford.—On appeal, Mr. S. A. Shackleton, chemist and druggist, was exempted to March 1, 1919.

Leamington.—Mr. J. H. Lenton, assistant with Mr. C. Davis, chemist and druggist, was exempted for six months.

Oxford.—On review, three months' exemption was substituted for the conditional exemption held by Mr. W. Ambrose, chemist and druggist.

Portsmouth.—At the hearing of a National Service appeal it was stated that there were now only fourteen chemists in Portsmouth, compared with 111 prior to the passing of the Military Service Act; this worked out at 7,000 persons to each chemist. The chemist now appealed against had had to close his shop in order to appear. The appeal was dismissed.

Reading.—Mr. W. Cox, chemist and druggist, was exempted for three months, with leave to apply again.

Stratford-on-Avon.—Exemption to May 1, 1919, was substituted for the absolute exemption held by Mr. J. G. Dance, chemist and druggist.

Thame.—Mr. O. J. Barley, chemist and druggist, was exempted for three months.

Tunbridge Wells.—Mr. A. L. Thorne, chemist and druggist, was exempted to December 31.

Wellington (Somerset).—Mr. W. Bisset, chemist and druggist, was exempted for six months.

Windsor.—The exemption held by Mr. W. S. Geering, chemist and druggist, assistant with Boots, Ltd., was withdrawn.

Wolverton.—On appeal, exemption was withdrawn from Mr. W. H. Mackerness, chemist and druggist, assistant with Mr. A. W. Leeming, chemist and druggist, a month's grace being allowed.

Business Changes.

Mr. F. James, Ph.C., has acquired the branch business of Mr. C. W. Andrew, Ph.C., at 119 High Road, East Finchley, London, N.

Mr. H. Lawrence, chemist and druggist, Kenley and Warlingham, has taken over the business of Mr. G. H. Pierson, Ph.C., Station Road, New Barnet.

Ipecacuanha in Ceylon.—In consequence of the enhanced value of this drug, special attention has been given to its propagation in the Heneratgoda Gardens, Ceylon. Small trial plots made in virgin soil in thick jungle were not successful, but in raised and well-prepared beds of sandy soil and leaf-mould, under the shade and shelter of trees, the plants are flourishing and increasing. There are now seven beds, each 24 ft. long by 3 ft. wide. Plants have been raised from cuttings as well as from the tuberous roots.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

Dentists Acts Inquiry.

Our Parliamentary correspondent learns upon excellent authority that a draft report, based upon the evidence tendered before the Departmental Committee on the question of dental law reform, has been prepared by the Secretary, and is now under consideration by Mr. F. D. Acland, M.P., and his colleagues. It is expected that two or three meetings will suffice for its consideration, and it will, if agreed to, then be handed to the Lord President of the Council.

Decimal Coinage Inquiry.

Our Parliamentary correspondent states that some considerable time is likely to elapse before oral evidence is taken by the Royal Commission on Decimal Coinage which has just been set up under the chairmanship of Lord Emmott, the Director of the War Trade Department. The Commissioners will meet again in private next week, but this will only be for the purpose of settling the terms of the very extensive *questionnaire* which is about to be addressed to manufacturers and public bodies in all parts of the country to ascertain their views in regard to the proposal at issue.

Potash Production.

Mr. Kellaway, in the House of Commons on October 24, stated that a scheme for recovering potash on a commercial scale from the blast-furnaces used in the manufacture of pig iron was approved last year. In consequence the Ministry of Munitions has encouraged the installation at various ironworks of gas-cleaning plant designed to extract from the furnace gases potash-bearing dust. Certain of these plants are now in operation, others are under erection, while others, again, are in course of construction. A factory has also been erected at which muriate of potash, free from deleterious impurities, is being manufactured from such dust. This factory is capable of dealing with all the dust that can be collected by the gas-cleaning plants now under erection and construction. As other gas-cleaning plants are installed it is proposed to erect other factories in suitable localities. A small amount of potash is also being obtained as a by-product of the cement-industry, and experiments are at the present time being carried on with a view largely to increase the amount so recovered.

The Influenza Epidemic.

Mr. Hayes Fisher, in the House of Commons on October 28, said the present epidemic of influenza is causing a considerable rise in the rate of mortality, as will be seen from the weekly returns of the Registrar-General; but happily the rise is not so great as that experienced in Vienna and Paris, and, he believed, in other such large towns. Numerous conferences have taken place between representatives of the Local Government Board, of the naval and military authorities, and of the Board of Trade in regard to the transport of troops. The medical officers of the Local Government Board have also been in consultation with the Army Medical Department and the Medical Research Committee, and bacteriological investigations have been continuously made since the commencement of the summer outbreak. These show that, bacteriologically, this outbreak does not differ from other outbreaks of influenza, the fatality being due to secondary infections, chiefly by pneumococci and streptococci. A special conference of medical representatives of all the Departments concerned has been called.

International Opium Convention.

Sir William Collins, on October 24, asked the Secretary of State for Foreign Affairs whether, since the issue of the White Paper, No. 4, 1915 [Cd. 7813], the following Powers (in addition to Great Britain and the eleven Powers mentioned in that Paper) have ratified the International Opium Convention of 1912—namely, the Netherlands, Norway, Brazil, Nicaragua, Ecuador, and Uruguay; whether the United States, China, the Netherlands, Norway, and Honduras have also signed the Special Protocol opened at The Hague in July 1914, with a view to putting the Convention into force without waiting for ratification of the Convention by all the signatory Powers; and whether the Government are now prepared to support the putting into force of some or all of the articles of the Convention.

Lord R. Cecil confirmed the first two parts of the question, and added that the Government is still considering the question of putting into force some or all of the articles of the International Opium Convention without waiting for its ratification by all the signatory Powers.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Parasitic Mange in Horses.

In the administration of the Parasitic Mange Orders of 1911 and 1918, the Joint Committee of the Board of Agriculture and the Ministry of Food has inaugurated a policy an essential feature of which is the co-operation of the authorities with owners of horses. The Committee has frankly relinquished the traditional mandatory attitude of officialdom, and has taken steps to place all necessary information at the disposal of those who need it. To this end a demonstration of spraying infected horses was given at 6 Whitechapel Road, London, E., on October 29 by Sir Stewart Stockman, chief veterinary adviser of the Board of Agriculture and Fisheries, who prefaced the spraying with a brief lecture. Leaflets issued by the Joint Committee are being distributed by County Councils: those numbered 8, 8A, 8B, and 274 contain many practical directions, including a formula for a lime-sulphur spray. Local authorities are advised to refer applicants to the Mykrol Co., Queensferry, Chester, and William Cooper & Nephews, Berkhamsted, for dressings; and to The Four Oaks Spraying Machine Co., Sutton Coldfield, Birmingham, for spraying-apparatus. It is pleasing to note that this information is accompanied by the hint that "the dressings should be ordered from a local chemist."

The Influenza Epidemic.

Chemists in various parts of the country are doing a public service by popularising simple phophylactic measures against influenza. In the "Brighton Herald" of October 26 there is a letter from Mr. Edgar Jones, Hon. Secretary of the Brighton and Hove Association of Pharmacy, expounding and amplifying the official instructions drawn up by the Medical Officer of the Local Government Board. The highly technical official method of preparing a gargle of potassium permanganate and common salt, for example, is reduced to its simplest terms, so that the average man can grasp it. The uses of quinine and formalin are clearly indicated, with a caution as to the latter. Mr. E. W. Morris, pharmacist, house governor of London Hospital, is circulating in the East-end a leaflet containing simple precautionary rules. The public health department of the Borough of Poplar has issued a handbill announcing the free distribution of the Council's electrolytic fluid at several depôts, and containing directions for use. The medical officer of health for Stepney has issued a list of nine precautionary measures. A defensive measure that apparently has not, so far, been mentioned is the employment of gargarisma chlori, a typical formula for which is:

Pot. chlorat.	gr. 20
Acid. hydrochloric.	♏ 60
Aq. dest.	q.s.

Add the acid to the potassium chlorate in a pint bottle. Before corking, let the gas generated expel most of the air in the bottle; cork, and set aside for a few minutes; add, gradually, distilled water to a pint.

Contracts.

The following tenders have been accepted by the London County Council:

Baiss Bros. & Co., Ltd., Boot's Pure Drug Co., Ltd., British Malt Products Co., Burgoyne, Burbidges & Co., Ltd., Thomas Hodgkinson, Prestons & King, May & Baker, Ltd., and Willows, Francis, Butler & Thompson, Ltd., drugs; Newton, Chambers & Co., Ltd., disinfectants.

Birmingham.

Locally, influenza has not been so rampacious as in other districts.

Large (and respectable) firms are paying small accounts in postage stamps.

Coal-tar is being sold as a favour, and in the don't-you-say-I-let-you-have-it style. At one time it was "carried out to sea to dose the fishes free."

Considerable dissatisfaction having been expressed with the rates charged by the North Staffs. Railway, a Board of Trade Inquiry is being held at Stoke-on-Trent.

Among the purchasers of War Bonds during the "Big Guns Week" were Chance & Hunt, Ltd., 40,000*l.*; W. & T. Avery, Ltd., 40,000*l.*; Southall Bros. & Barclay, Ltd., 10,000*l.* The employés of Cadbury Bros., Ltd., spent amounts totalling nearly 200,000*l.*

A correspondent of the "Birmingham Mail" complains of being charged as much as 2*s.* 9*d.* for saccharin tablets bearing no name or guarantee. "One chemist," he continues, "informed me that the higher-priced ones were American and uncontrolled, and he charged me 2*s.* 4*d.* for 100 (or, rather, 93 on a recount at home). . . . Is it absolutely beyond the power of the authorities to stop this sort of thing, or else to allow an adequate supply to come on to the market, so that the dishonest tradesman shall be unable to exploit the public? . . ."

There has been a hue and cry lately in this city after the 6-oz. bottle, which seems to be as much a thing of the past as the dodo and good Queen Anne. It is a great favourite here with the medico and others; but journeys to the neighbouring chemists, the company ditto, and, as a final resort, the marine-store dealer, are in vain. All dealers say that these flats are on order, and may be expected "next week." Three 2-oz. bottles will not do—and, *à propos*, the present 2-oz. vial is a wonderful example of what it should not be, with its air vesicles and cutaneous eruption.

Leeds.

Now that clinical thermometers have to be tested the eightcenpenny variety will most probably disappear.

Quite a number of lady aspirants to pharmaceutical and "Hall" qualifications pass through the hands of Mr. John Lancaster, chief chemist at the North Street Dispensary.

Local houses, wholesale and retail, are getting anxious about their stocks of quinine salts. There is no certainty of a sufficient supply being released by the Government.

Lieutenant Johnson, son of Mr. Richard Johnson, pharmacist, Wellington Road, has been home on leave after slight "gassing." He reports the Allied troops "full of beans" and in tip-top form, quite ready to go through to —the Censor knows where.

The "Yorkshire Evening Post" had a long article recently on the dissatisfaction of medical men with panel remuneration. The number of insured persons in Leeds is (roughly) 200,000 for a panel of 180 doctors, so the remuneration can easily be averaged.

The early-closing (7 P.M.) movement seems to have fallen flat—owing, no doubt, to panel doctors' surgery hours. Nevertheless, several pharmacies have taken the matter into their own hands, and notices have been displayed giving business hours as from 9 to 7.

Liverpool.

Five broken bottles and one emptied case were found among a box of tablets brought by rail to a Liverpool chemist and druggist. Claims for shortage due to losses in transit steadily increase.

The musical members of the staff of Ayrton, Saunders & Co., Ltd., have been invited to open the season of the Liverpool Yorkshire Society, which has several members associated with pharmacy.

"Flu" remains prevalent. Tramcars and theatres are disinfected twice daily. Nasal drill with inhalers is being practised, more or less seriously, in the morning trains. A down-town pharmacist is finding a rapid sale for his "special" inhalant.

At Liverpool Police Court, on October 26, Joseph William Dutton was sentenced to two terms of imprisonment in the second division for thefts from the oils department of Evans Sons Lescher & Webb, Ltd., Hanover Street. It was stated by the police that there had lately been serious losses at the works.

Pharmacists are divided into three classes at present in their view of dealings in methylated spirit. Class one says it is policy to pay the 10*s.* licence and make the best of the restricted supply. Class two would prefer to drop the licence and the sale. Class three advocates a threepenny stamp on each 4-oz. bottle sold.

The prize-winners of the "Elco" Bowling Club (Evans Sons Lescher & Webb, Ltd.) for the past season are: President's Prize Handicap, Mr. D. West (first); Mr. W. Heyes (second); Secretary's ditto, Mr. C. Horton; Medal Handicap, Mr. J. Fitzpatrick (Gold Medal), Mr. C. Horton (Silver Medal). The prizes were presented by Mr. J. N. Evans (President of the Club) at a social gathering on October 26.

Nottingham.

As foreshadowed in the *C. & D.* last week (p. 35), the Nottingham Insurance Committee has passed a resolution urging that a Ministry of Health should be at once established.

The influenza epidemic has become so widespread here that the medical officer has issued instructions for precautionary measures. Chemists are almost run off their feet. In the poorer localities, especially, the services they are rendering in combating the malady are of the greatest value.

Owing to the number of doctors who have been called up for service with the Forces many panel patients in Nottingham are having to make the best of the attention they can

obtain at local dispensaries. Strong exception was taken to this arrangement by members of the Insurance Committee at the meeting on October 25. After a discussion, which was at times of a heated character, the Committee decided to protest against any more doctors being transferred from civilian to naval and military duties.

Sheffield.

George Carr & Co., Ltd., invested 1,000 guineas in War Bonds during the Sheffield "Feed the Gun" week.

Some of the lozenge-manufacturers are asking local chemists to support them in applications for a larger supply of sugar.

It has really been a sight to watch some of the crowds purchasing, or attempting to purchase, eucalyptus oil and its congeners. Unfortunately, some of our chemists have not escaped the malady. Mr. C. H. Hewitt and an assistant were laid up simultaneously, and the shop was closed for some days.

Miscellaneous.

Donation to Red Cross Society.—Burroughs Wellcome & Co. have contributed 105*l.* to the "Our Day" Fund of the British Red Cross Society.

Poisoning.—The wife of a pensioner named Pollard, residing at Barnet, took strychnine in mistake for quinine on October 26, and died shortly afterwards.

Early-closing Agreement.—Members of the Chester and District Pharmacists' Association are closing at 1 P.M. on Wednesdays, 8 P.M. on Saturdays, and 7 P.M. on other days.

Red Cross Auction.—The auction held in the London Commercial Sale Rooms, Mincing Lane, E.C., on October 24, which was organised by Mr. F. E. Annison (F. W. Bowyer & Bartleet, 147 Fenchurch Street, E.C.) and Mr. B. N. Sturge for the benefit of "Our Day" Fund realised over 2,500*l.*

British Optical Association.—An examination in the theoretical and practical sections of the Intermediate (dioptric) grade will be held at the University of London, Imperial Institute, South Kensington, on November 26 and 27. Intending candidates should apply to Mrs. Margaret Sutcliffe, Assistant Secretary, British Optical Association, Clifford's Inn Hall, Fleet Street, London, E.C. 4.

Dear Honey.—The Bristol Food Committee, who have drawn attention to the advance in price of pots of honey from 5*d.* to 2*s.* 9*d.*, have been informed by the Food Ministry that their suggestion of control shall receive attention. [The Ministry of Food informed us last week that it is not intended to ration honey for the present, but that would leave open the suggestion of some form of control.—Ed.]

Industrial Chemistry.—A scheme which has been drawn up for the development under Professor W. A. Bone, of the Chemical Technology Department of the Imperial College of Science and Technology at South Kensington, involves an outlay estimated at 100,000*l.* for buildings and equipment and a cost of not less than 10,000*l.* a year for maintenance and working expenses. The new scheme includes four departments—the first dealing with fuels, gas, ceramics, glass, and cements; the second with chemical engineering; the third with the application and development of electricity in chemical-industry; and the fourth with groups of products, such as cellulose, sugar, oils, glycerin, soap, indiarubber, and similar substances.

In the Courts.—At Bow Street Police Court, London, on October 26, Samuel Smith, mantle manufacturer, St. Mark's Road, Dalston, was remanded on a charge of being concerned with other persons not in custody in having caused a preparation—to wit, a sugar-cane liquid—to be injected into his person with a view to producing results calculated to lead to the belief that he was unfit for military service.—At West Ham Police Court, on October 28, Alfred Parkinson was sentenced to three months' imprisonment with hard labour for stealing potassium permanganate valued at 29*l.* 4*s.* (*C. & D.*, October 26, p. 35). It was stated that the chemical had been disposed of for the sum of 16*l.* 9*s.* at shops in the neighbourhood of the Strand.—At Thames Police Court, London, on October 25, a poor woman was ordered to pay 2*s.* costs for selling vinegar "adulterated with acetic acid," the Magistrate commenting on the immunity of the wholesale firm, which, it was stated, supplied the article in the condition in which it was sold.—At the Old Bailey, London, on October 26, David Gestetner, Neocyclostyle Works, Tottenham, was sentenced to six months' imprisonment in the second division, and ordered to pay the costs of the prosecution, for having presented false income-tax returns (*C. & D.*, October 12, p. 35).—At the Central Criminal Court, London, on October 29, William Money, dealer, charged with receiving sacks belonging to the Strawson Chemical Co., Ltd., and scrap lead, the property of the Postmaster-General, was acquitted.

Irish News.

Brevities.

Mr. P. J. Mangen, Ph.C., will shortly open a pharmacy at Cahirciveen, co. Kerry.

Sir Stanley Harrington, Cork, has been made a member of the Irish Privy Council. He is head of the Cork Chemical and Drug Co.

Mr. Henry Davidson Starkey, Ph.C., has taken premises in High Street, Antrim, which he will open in the course of a few days as a pharmacy. Mr. Starkey was formerly with Mr. F. W. Brittain, Drogheda.

Mr. Peter Runaghan, who is opening a new pharmacy in Monaghan, was formerly with Mr. James Guiler, M.P.S.I., Ormeau Road, Belfast, and Mr. J. Carroll Culbert, M.P.S.I., Connswater, Belfast.

The employés of the Apothecaries' Hall, Dublin, including assistants, porters, packers, and girls in the drug department, have received increases ranging from 20*s.* to 5*s.* per week from October 1 last, the employers having agreed to the minimum wage terms of the National Amalgamated Union of Shop Assistants, etc.

Commenting in the Belfast Police Court on October 26 on the prevalence of methylated-spirit drinking, the Stipendiary said that nine out of ten cases of drunkenness that came before him were those of people who had taken methylated spirit, or "blow hard." In future if cases of methylated-spirit drinking came before him they would be dealt with very severely.

Several thousands of cases of influenza have occurred in Dublin and the neighbourhood within the past few weeks, resulting in many deaths from pneumonia. The hospitals are overcrowded with victims of the malady. The schools and places of public resort are closed. Chemists' shops are besieged by buyers of quinine, and many local pharmacies have run out of supplies.

The Order in Council which came into force in Ireland on October 23 in connection with the coal- and light-saving campaign requires all retail shops to close not later than 5.30 P.M. on Mondays to Thursdays inclusive, 7 P.M. on Fridays, and 9.30 on Saturdays. It does not prevent the sale of medicines and of medical and surgical appliances outside those hours. The enforcement of the regulations has been left in the hands of the police.

Dublin and district chemists' assistants met on October 25 at Upper Sackville Street, Mr. J. Hogan, Ph.C., in the chair. The chief business before the meeting was the settlement of the question of higher salary for qualified and unqualified pharmaceutical assistants. Mr. Owens, organiser, Belfast, addressed those present on the necessity for more pay for their work, and pointed out that the employés had behind them the united federation of workers.

Scottish News.

Brevities.

Several spurious pound notes have been passed upon shopkeepers in Ayr.

Thanks to the timely advice of the *C. & D.*, we are now busy all over the country despatching thermometers.

The hint given in the *C. & D.* (October 19, p. 43) concerning aspirin tablets has been much appreciated in Scotland.

Edinburgh.

It has been a common experience of late to refuse numerous prescriptions, and to discover after closing-time that a dozen or more scripts are left to start upon in the morning.

A chemist learns that he cannot have further supplies of lozenges unless he sends on the sugar. One hears also of a firm which requires turpentine from prospective buyers of embrocation.

"You'll have to call for this mixture to-morrow," said a harassed chemist, "and it'll cost a good deal more than when you had it last." "In that case," replied the customer, "I'll pay for it now, to make sure it goes up no further!"

The latest half-yearly balance-sheet of St. Cuthbert's Co-operative Association, Ltd., shows net sales in the drug department as follows: Bread Street, 3,570*l.*; Tynecastle, 1,719*l.*; Hamilton Place, 933*l.*; Nicolson Street, 1,439*l.*; Montrose Terrace, 693*l.*; Haddington Place, 1,114*l.*

On two successive days damages were recovered in the Court of Session by dental patients. In one case the

defender was Mr. John High, dental mechanic, against whom 150*l.* has been awarded; in the other, Mr. James Readdie, L.D.S., has to pay 125*l.* damages. Unskilful treatment resulting in physical injury was the allegation in each case.

Allegations as to the difficulty of obtaining medicine late at night owing to defective service by chemists have elicited the following reply in the local Press: "There is no difficulty in obtaining all medicines required from the ordinary dispensing chemists in the city, who have arranged a full service, and are accessible at any hour of night or day. Attendance is being given every day from early morning till late at night, and all demands are being fully met." This reply is signed by W. W. Brown, Secretary, Edinburgh Chemists' Trade Association; John Muir, Secretary, Edinburgh Burgh Pharmaceutical Committee; and J. Rutherford Hill, Resident Secretary, Pharmaceutical Society.

Glasgow.

It is proposed to institute a tramway parcels delivery between Glasgow and Uddingston.

A rubber hot-water bottle was the means adopted by a bonded-warehouse employé for smuggling a quantity of potable spirit.

In the Justiciary Appeal Court, on October 22, the appeal of a confectioner against his conviction for having used milk in the manufacture of water-ice, contrary to the provisions of the Ice-cream (Restriction) Order, 1917 (*C. & D.*, September 7, p. 35) was refused, with 7*l.* 7*s.* expenses. Milk-powder was the ingredient in question, and the Court held that it was impossible to say that milk in the sense of the Order was not used.

Colonial and Foreign News.

ALIEN PROPERTY SEIZED.—The Alien Property Custodian of the United States has taken over the Heyden Chemical Works, N.J., the second largest concern of its kind in the country.

SHELLAC-SUBSTITUTE.—A Swedish paper states that a new substitute for shellac has been invented, and that the Export Co. in Västeraas has bought the patent and will start manufacture on a large scale.

LINSEED-OIL VARNISH SUBSTITUTE.—The offer of prizes by the German War Committee for Oils and Fats for the manufacture of a linseed-oil varnish substitute made from home-produced raw materials brought no result, as none of the products sent in absolutely fulfilled the conditions laid down.

SCARCITY OF TEATS IN GERMANY.—A Bundesrat Order, published in the "Reichsanzeiger," requires the surrender to the German Apothecaries' Trading Co. in Berlin of all rubber or regenerated manufactures suitable for use as mouthpieces of infants' feeding-bottles. The sale of the mouthpieces, except by pharmacists, is prohibited.

USES OF THE PEANUT.—According to the "New York Times," peanut oil is excellent for cosmetics, soap, medical emulsions, and other articles; and peanut oil "foots" are used for putty, washing-powder, glycerin, black grease, etc. Peanut hulls are used for polishing tinplate during its manufacture. The inferior hulls can be used in the manufacture of dyestuffs

AUSTRIAN MAIZE OIL.—Investigations made recently in Austria as to possible sources of fixed oils in that country have led to the conclusion that maize is the only crop worth cultivating for its oil. Grape-seeds, wheat, and rye have been found to yield a considerable percentage of fixed oil of excellent quality, but the quantities likely to be obtained from them are not of much commercial importance.

GERMAN POTASH SYNDICATE.—At the last business meeting of the Potash Syndicate it was announced that sales in the first eight months of 1918 amounted to about 8.1 million d.ctr. of pure potash, to the value of some 211 million marks. The requirements of agriculture for potash salts remain abnormally large, and the industry, in spite of all difficulties, has been in a position to deliver considerably more than the pre-war demand, says the "Kölnische Zeitung."

CHEMICAL ENTERPRISE IN NORWAY.—The Norwegian Sodium Company decided at their last meeting to enlarge their factories at Trondhjem. A large factory is to be built in which there will be room for plant for the production of chlorinated lime, a section for liquid chlorine, and one for muriatic acid. The present premises for the vaporisation of soda lye will be much enlarged and joined on to the new building. The factory at present produces chiefly chlorinated lime, soda lye, and muriatic acid, besides a certain amount of chloride of zinc. It is hoped shortly to produce crystallised soda, as well as chloroform, and when the premises are enlarged the factory will supply liquid chlorine, which is used especially in the manufacture of paper.

SERBIAN OPIUM.—According to the "Wiener Landw. Zeitung," the cultivation of opium in Serbia began about forty years ago. The first person who cultivated poppies for the purpose of collecting opium was a Turk, named Ali Simon Zade. His example was followed by Pop Mihajlo Medić, from Kavadar, and by some German immigrants. At present Kavadar is the centre of an important opium-cultivation. Before the Balkan war 30,000 okas (1 = 1.25 kilo.) of opium and from 650,000 to 750,000 okas of poppy-seed was produced annually, realising a revenue of from 1,800,000f. to 2,700,000f. From 2,500 to 3,300 hectares were then planted with poppies. The average production per hectare was 12 okas of opium and from 225 to 300 okas of poppy-seed. The climate of the neighbourhood of Kavadar is very mild and very suitable for opium-growing.

AUSTRIAN STOCKS OF FINE CHEMICALS.—Criticism of the inadequate supplies of drugs and chemicals distributed by the Austrian "Fachstelle," an institution that came into being in October 1917, have been officially answered by the production of a lengthy list of quantities in stock throughout Austria. This includes (quantities in kilograms): colloidal silver, 4; bismuth salicylate, 4.5; bismuth subgallate, 11; bismuth subnitrate, 10; camphor, 3.5; quinine hydrochloride, 9; quinine sulphate, 6; chloral hydrate, 11; cocaine, 11; diuretin, 16; hexamine, 22; menthol, 60; methyl salicylate, 3.25; morphine hydrochloride, 32; phenolphthalein, 19; tannalbin, 0.25; theobromine sodium salicylate, 0.6. By the side of these quantities, an item of 750 kg. of tincture of opium looks like opulence. It is estimated that the stocks have to serve for 2,000 pharmacies. In a communication to its customers, a wholesale firm explains that, for some time, Germany allowed medicaments to enter Austria at so-called German inland-prices, which were about one-fourth of the export prices. The consequence was that Russian firms tried to buy German chemicals in Austria, large quantities being smuggled into the Ukraine. Germany then refused to continue sending supplies into Austria. Since the inauguration of the Fachstelle, small quantities have again been received from Germany; but customers are advised not to order salts of bismuth, salts of quinine, chloral hydrate, salol, or strychnine. A very short list of articles that can be supplied in limited quantities is appended to this letter.

PRICE-FIXING IN THE U.S.A.—In the *C. & D.*, August 10, p. 45, particulars were given of the action of the Federal Trade Commission in the matter of price-fixing of goods by wholesalers. Among the firms proceeded against is Eli Lilly & Co., Indianapolis, who have been charged with unfair trade practices in adopting and maintaining a system of fixing prices charged by wholesalers to retailers, "with the effect of securing the trade of jobbers and wholesalers and of enlisting their active co-operation in enlarging the sale of its price-maintained product, to the prejudice of competitors who do not fix and require the maintenance of the resale prices of their products; and with the effect of eliminating competition in price among the wholesalers and jobbers, and of their right to sell such goods at such prices as they may deem adequate and warranted by their selling efficiency, and with other effects, etc." In addition to this the firm is charged, under the Clayton Act, with discrimination in price and distribution, and with allowing rebates in favour of purchasers who have agreed not to handle the goods of competing firms. The Commission subsequently issued an amended complaint, in which the charges were set forth in greater detail, and requiring an answer to the charges in thirty days. The amended complaint contained four charges under the Federal Trade Commission Act of September 1914, and three charges under the Clayton Act of October 1914. The former is an Act establishing the Trade Commission and limiting and defining its functions, and the Clayton Act is an Act to supplement existing laws against unlawful restraints and monopolies and for other purposes. The Commission has also filed formal complaints against four other companies, charging them with refusal to sell to retailers who "cut" prices to the public. One of these companies was further charged with exercising arbitrary control over dealers and with other methods "calculated to stifle free competition." All these cases are essentially test-cases, and are being watched with the keenest interest by commercial circles in America, as the practice of price-fixing is fairly general in the United States.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

Six Months' Drug and Chemical Imports.—The June imports of drugs, chemicals and apothecaries' wares into the Union amounted in value to 64,826*l.*, against 105,136*l.* in June 1917. For the six months ended June 30, 1918, the total was 503,224*l.*, against 463,562*l.* for the corresponding period of 1917. Medicinal preparations were valued at 55,398*l.*, against 53,257*l.*, and apothecaries' wares at 33,826*l.*, against 36,853*l.* The potash cyanide imports were 911,326 lb., against 425,614 lb., and of sodium cyanide 3,247,772 lb. was imported, against 3,802,830 lb. in 1917. The quicksilver imports were 110,117 lb., against 38,384 lb., and of crude glycerin for manufacturing purposes the imports were 2,401,848 lb., against 1,612,965 lb., while of other glycerin the imports were 2,373,225 lb., against 3,093,770 lb.

Pharmaceutical Society of the Transvaal.

The twentieth annual general meeting of the Transvaal Pharmaceutical Society was held in the Grand National Hotel, Johannesburg, on July 25. Mr. J. Colebank (President) was in the chair, and there was a fair attendance.

In moving the adoption of the annual report and balance-sheet, the President said that the year under review had not been so busy as previous years. One disappointing feature was the failure of the Union Parliament to pass the Medical, Dental, and Pharmacy Bill, which had repeatedly been put on one side to allow other less important matters to go through, but it was hoped that the House would make an effort to pass it in the ensuing Session. The President regretted the death of Messrs. H. Wheildon (an ex-President of the Society), J. Sachs, and E. Bannatyne. Reference to the balance-sheet showed the Society to be in a sound financial position. An amount of 543*l.* had been paid to chemists for dispensing Governor-General's Fund prescriptions, this being about 200*l.* in excess of the previous year. Mr. Ralling seconded the report, and this was unanimously agreed to. Mr. J. Christie proposed the adoption of the Sub-Committee's report regarding the supply of bottles, and hoped that the new Committee would give the matter their earnest consideration at the next Committee-meeting. Mr. Ralling seconded the Sub-Committee's report, which was agreed to.

Mr. J. Christie gave a report of the visit of Mr. B. Owen Jones and himself to Pretoria to interview the Administrator *re* the Shop Hours Act. The Administrator sympathised with the position of chemists under the Act, but regretted he could not interfere with the law, nor give a promise that a prosecution would not take place. The Shop Hours Act was likely to undergo certain amendments at an early date, so the Administrator suggested that the Society should send in a written statement of the points they wished brought forward. This was done.

Mr. J. Christie reported that reciprocity between the Transvaal and Cape Province was now almost an accomplished fact, the only stumbling-block being the qualifications of five who were registered under the Republican *régime*. The Cape Pharmacy Board refused to accept this registration, but it was hoped that the point would be amicably arranged and reciprocity gazetted at an early date. The scrutineers handed in the result of the ballot, the following being elected members for the ensuing year: Messrs. J. M. Braes, Christie, Carine, Colebank, Hetherington, B. Owen Jones, Keir, Macintosh, Purnell, Ralling, and Rennie. The Committee retired and elected Mr. J. M. Braes President and Mr. H. M. Hetherington Vice-President.

P.A.T.A. of South Africa.

The sixth annual general meeting was held in the Pharmaceutical Society's rooms, S.A. Mutual Buildings, Cape Town, on August 8. Mr. J. Scott (President) occupied the chair, and there was a good attendance of members. After the minutes had been read and passed, the Treasurer's and Auditor's reports on the accounts for the year ending July 31 were presented and adopted.

The Council's report was next read. It stated that there was—

"a largely decreased revenue from subscriptions, due to the fact that the Port Elizabeth, Durban, and Johannesburg centres now retain their own subscriptions for local needs. A further cause for the decline in revenue is due to the writing-off of many very old outstanding accounts. In spite of this, however, it is gratifying to report that the current balance-sheet shows a slight improvement on that of last year. There are fewer outstandings at present than at any period during the existence of the Association. In the Manufacturers' and Wholesalers' Sections only two firms are in arrear. These are both in the oversea section, and have not paid owing to dislocation caused by the war. Of the retail members only three are in arrear so far as head office subscriptions are concerned. At the first Council-meeting in the Association's new year, held on September 6, 1917, Mr. J. Scott and Mr. Frank Mathew were unanimously elected to the offices of President and Hon. Treasurer respectively. Later in the year Mr. W. H. Gardner-Hopkins was compelled to relinquish his seat on the Council, when Mr. H. R. Peck was elected to fill the vacancy. A large number of manufacturers have been approached with a view to membership. Although few have been added to the roll, a great number are in fullest sympathy with the Association, and we expect a considerable augmentation to this section as soon as things become normal again. Reported cases of 'cutting' have been fewer than usual, and have, with some few exceptions, been confined to one particular line. Here many complaints were received, but on investigation it was ascertained that sellers had not been properly advised of several sharp rises in price, or had failed to keep in touch with such advances. The complaints related almost exclusively to merchants and departmental stores. With one exception, the Association's representations were courteously received, and assurances given that the protected prices would in future be adhered to. The manufacturers and the South African representatives of this particular article have been informed of the above exception, and both have undertaken not to accept any more orders from the firm in question. No cases of substitution have been brought forward from any part of the Union. The past year has seen the birth of a Retail Chemists' Protection Association for the Cape Peninsula. The inaugural meeting was held in the Pharmaceutical Society's rooms and was well attended, not only by the retail chemists (master men as well as assistants), but by manufacturers and wholesalers also, who promised the new movement the fullest support. A strong Committee was formed, and a large majority of the chemists from Sea Point to Simonstown have already become members. There is no affiliation between the new Association and the P.A.T.A., but both are working in such complete agreement that a very considerable measure of strength should result to each. . . . Council has held fifteen meetings during the year and will gladly receive suggestions for the betterment of the Association in general."

Speaking on the annual report, the Chairman said that they had heard a great deal about profiteering by chemists during the last two years. Their Association had been established before the war, and they had no idea of profiteering then. Their motto was to live and let live, and to that principle they adhered to this day. At that time they had found that many proprietary lines were being sold at cost price, or near cost price, by certain firms not connected with the legitimate trade, merely as a draw for other business. Such competition made it impossible, or at any rate very difficult, for a man who charged a fair all-round profit to compete. The Association, in combating this evil, had both protected the legitimate trader and the general public, and had in consequence justified its existence. Reverting to the question of profiteering, Mr. Scott said that he felt convinced that there was no body of business men so free from that charge as those of their profession, or who had taken less advantage of the war situation. The speaker went on to refer to the scandalous way in which the public was being defrauded by unscrupulous dealers, who sold well-known remedies, such as aspirin, which, instead of containing the percentage of such drugs according to standard, were frequently vastly below strength. Thus these people cut out the legitimate chemist, and in addition defrauded the public, who thought they were getting the goods at bargain prices. He would like to see all the chemists in South Africa make a creed of it only to sell the legitimate goods, and if that were done before long the public would be educated up to the idea that it was not only safer, but more profitable, to patronise the respectable chemists. (Hear, hear.)

The report was adopted, on the motion of Mr. Cherry.

The election of officers for 1918-19 was next proceeded with. Mr. J. Main was elected President, and the Council will be as follows: Retail representatives—Messrs. Sowden, Petrie, Peck, and Greenland; wholesalers' representatives—Messrs. Main, F. Mathew, A. Miller, and A. Price; manufacturers' representatives—Messrs. Wolfe, Oldfield, Avidson, and Sims. Mr. Maynard Nash was elected auditor.

Failure and Doom.—It should never be forgotten that Failure must involve Doom. The future of civilisation requires that the authority of public law shall be reasserted with as much notoriety as marked the challenge: and it cannot be so reasserted without requiring from those who sought to destroy it a punishment so memorable, because so dreadful, that the offence will not soon be repeated. For the correction of specific infamies international law does not exclude the castigation of guilty individuals, however highly placed.—*The Attorney-General.*

Deaths.

A BRASSARD.—At New York, on October 23, from pneumonia, Werner Arthur, eldest son of Mr. Fred A Brassard (director of the Fabra Co., Ltd.), aged thirty.

CARTER.—At 76 South Side, Clapham Common, London, S.W. 4, on October 24, Mr. Robert Brudenell Carter, F.R.C.S., aged ninety. Mr. Brudenell Carter, who was born at Little Wittenham, had an interesting career as general practitioner, as Press correspondent during the Crimean War, and eventually, from 1868 till his retirement, as consultant in diseases of the eye. His practice was a fashionable one, and his numerous contributions to current publications were marked by literary merits that ensured a ready reception. When he delivered the inaugural address at the opening of the Bloomsbury Square School of Pharmacy in 1896 (*C. & D.*, II., 1896, p. 548), he let fall some trenchant remarks on the careless use of words; and one outcome of his strictures (on "reliable" in particular) was a correspondence that filled about five pages of THE CHEMIST AND DRUGGIST, and was conducted with a vigour and a *finesse* that make it interesting reading to-day. To this controversy Mr. Brudenell Carter contributed four letters. From 1870 to 1898 he was ophthalmic surgeon to St. George's Hospital. His text-book, "A Practical Treatise on Diseases of the Eye," placed him in the front rank of authorities on that subject.

CLARK.—At 194 Cassland Road, London, E. 9, on October 18, Mr. John Barton Clark, chemist and druggist, aged forty-three.

FORREST.—On October 23, Mr. Leslie Forrest, for seven years assistant with Mr. A. E. Sewell, chemist and druggist, Huntingdon. Mr. Forrest joined the Army on the outbreak of war, and after service in West Africa received his discharge a few months ago. He had resumed his civilian duties so recently as October 14.

FOSTER.—At 23 Hallgate, Cottingham, Hull, recently, Mr. William Albert Foster, chemist and druggist. Mr. Foster passed the Qualifying examination in 1909, and subsequently took over the business at Cottingham carried on for many years by Mr. G. Kirk. His death was due to pneumonia following influenza.

HANKINSON.—At Howitt House, Uttoxeter, on October 27, suddenly, Phœbe Elizabeth, wife of Mr. George Robert Hankinson, chemist and druggist.

IRWIN.—At Limavady, co. Londonderry, on October 25, Mr. Joseph Irwin, R.D., aged twenty-nine. After experience as an assistant with Sir William Baxter, Ph.C., Coleraine, Mr. Irwin established in recent years a successful business in Limavady.

MARKHAM.—At Queen's Gate Place, London, W., on October 28, Admiral Sir Albert Hastings Markham, K.C.B. He was cousin and intimate friend of the late Sir Clements Markham, and wrote the "Life of Sir Clements Markham," which was reviewed in the *C. & D.*, June 1, p. 43.

ROBINSON.—At Clones, co. Monaghan, on October 22, Mr. John Robinson, father of Sir Thomas Robinson, Ph.C. (Hayes, Conyngham & Robinson, Ltd., chemists, Dublin), aged eighty-five.

TURNER.—At Oak Bank Cottage, Milford, Surrey, on October 28, Mr. John William Turner, chemist and druggist, eldest son of the late Mr. John Turner, chemist and druggist, Morpeth, aged fifty.

WESLEY.—At Wembley, on October 26, Mr. John Stevens Permewan Wesley, chemist and druggist, aged thirty-four. Mr. Wesley served his apprenticeship in Penzance, his native town. After qualifying in 1909 he managed a business at Chingford for a few years, and then took a business at Wembley. Owing to its steady increase he removed to larger premises at 6 Bowrons Parade, Ealing Road. Mr. Wesley was much esteemed, both as a keen man of business and for his genial disposition. His death after a short illness was due to influenza. He leaves a widow and two children.

Died on Service.

BAXTER.—Gunner Gordon Colin Baxter, Royal Garrison Artillery, died of pneumonia at a Salonica hospital on October 15, aged twenty. Gunner Baxter was the youngest son of Mr. James Baxter, J.P., chemist and druggist, Arndilly, Boness Road, Grangemouth.

BENNET.—Second-Lieutenant A. Russell Bennet, R.A.F., was killed in action in France on October 13. Second-Lieutenant Bennet was the son of the late Mr. A. Russell Bennet, Ph.C., Principal of the Nottingham School of Pharmacy. He served his apprenticeship with his uncle, Mr. Robert McClumpha, Ph.C., Newcastle-on-Tyne, with whom he remained for some time as assistant. He joined the ranks of the Army in 1916, and after active service in the Royal Engineers was gazetted to a commission in the R.A.F. In the course of a sympathetic letter to his mother, his Commanding Officer writes: "He was acting as observer with his flight-commander . . . without warning they were set upon by a large number of enemy machines which emerged from a cloud. They put up a splendid fight against heavy odds. . . . We are all very much distressed at losing Bennet."

CORK.—Private Walter Cork, Wiltshire Regiment, has died of pneumonia at Poona, aged twenty-eight. Prior to joining the Army Private Cork was with R. M. Parkinson & Sons, chemists, Curzon Street, Burnley.

DAWSON.—Sapper W. C. Dawson, R.E., has died at a London hospital, aged thirty-eight. Sapper Dawson was the only son of the late Mr. William Dawson, chemist and druggist, Slough.

RICHEY.—Second-Lieutenant R. A. (Bertie) Richey, Royal Irish Fusiliers, is reported killed in action on September 30, aged twenty-one. Prior to his enlistment in 1915 Second-Lieutenant Richey was an apprentice to Davidson & Murray, chemists, Belfast.

TIMMS.—Private William F. Timms, Rifle Brigade, has been killed in action. Private Timms, who was wounded some months ago, served his apprenticeship in pharmacy to Mr. Joseph Strickland, chemist and druggist, Northampton.

WHITAKER.—Private Robert Whitaker, Manchester Regiment, has been killed in action. In civil life Private Whitaker was an apprentice at the St. Helens branch of Boots, Ltd.

Personalities.

MR. T. COLLINS, drug-store proprietor, Smethwick, who is Secretary of the local Traders' Association, has been appointed a Justice of the Peace.

MR. W. H. YOUNGHUSBAND, pharmacist, Wigton, Cumberland, has completed his twentieth year of service as organist of the Wigton parish church.

SIR JAMES DOBBIE, D.Sc., F.R.S., head of the Government Laboratory, has been appointed a member of the Inter-Departmental Committee on alcohol motor-fuel.

BRO. J. F. DUNSTAN, chemist and druggist, dispenser to the Southwark Board of Guardians, was on October 26 appointed Junior Warden of the Borough Polytechnic Lodge, No. 3540.

MRS. M. GRIEVE, F.R.H.S., Whin's Drug Farm, Chalfont St. Peter, is delivering an educational lecture for wounded soldiers at the Great Northern Central Hospital, London. Her subject is "Herb-growing as a Lucrative and Healthy Career for Soldiers."

THE FOLLOWING PHARMACISTS have been appointed Justices for their respective boroughs to exercise the powers conferred by the Lunacy and Mental Deficiency Acts: Mr. W. J. Barnes, Dover; Mr. A. S. Campkin, Cambridge; Mr. A. Lander, Ph.C., Canterbury; Mr. R. Sturton, Cambridge; Mr. G. Claridge Druce, Ph.C., Oxford; Mr. D. T. Evans, Margate.

Wills.

LIEUTENANT FRANCIS LEOPOLD MOND, R.F.A., and R.A.F., 98 Piccadilly, London, W., who was killed in action on May 15, has left 2,269*l.* 19*s.* 8*d.*

MR. JOSEPH ALLEN BAKER, Donnington, Harlesden, London, N.W., chairman of Joseph Baker & Sons, Ltd., who died on July 3, left estate valued at 22,411*l.* 15*s.* 2*d.* gross, with net personalty 16,990*l.* 9*s.* 2*d.*

MR. WILLIAM MARSH, The Leewood Hotel, Buxton, and Soho Works, Manchester, chemical-manufacturer, who died on December 28, left estate of the gross value of 86,172*l.* 17*s.* 7*d.*, of which 75,850*l.* 2*s.* is net personalty.

MR. WILLIAM JAMISON, Hawthornden, Knock, Belfast (Shaw & Jamison, Ltd., wholesale druggists), who died on July 18, left personal estate valued at 11,487*l.* 17*s.* 9*d.*, of which 993*l.* 17*s.* 6*d.* is in England. The testator left 2,000 preference shares in Shaw & Jamison, Ltd., to his daughter Muriel, 2,000 ordinary and 1,000 preference shares in the said company to his son William, 3,000 ordinary shares in the said company (charged with the payment of 60*l.* per annum to his wife) to his son Robert, property in Albertbridge Road to his wife for life, with remainder to his son Percy, and the residue of his estate to his wife and daughter Muriel.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

I. S. Maline & Co., Ltd. (P.C.).—Capital 100*l.* Objects: To carry on the business of manufacturers of and dealers in chemicals of all kinds, creams, lotions, perfumes, surgical instruments, toilet-preparations, chemists' sundries, etc. R.O., 92 Cannon Street, London, E.C. 4.

Howard, Rawson & Co., Ltd. (P.C.).—Capital 5,000*l.* Objects: To take over the business of scientific-glass blowers carried on by Howard, Rawson & Co., at 21B Pond Place, S.W. 3, and to carry on the business of manufacturers of all kinds of glassware, apparatus, and appliances, etc. R.O., 10 Bush Lane, London, E.C. 4.

Maurice Smith & Co., Ltd. (P.C.).—Capital 10,000*l.* Objects: To carry on business as manufacturers of and dealers in invalids' and children's foods, druggists' sundries, medical, surgical, and dental requisites, toilet-requisites, etc. The first directors are M. Smith, Rogart House, Park Hill Road, Harborne, Birmingham, manufacturing chemist; P. W. Cuxson, 25 Earlsbury Gardens, Birmingham, manufacturer; and A. D. Gerrard, Melbury, Yardley Wood Road, Moseley, manufacturer.

British Cyanides Co., Ltd., have declared an interim dividend on the ordinary shares at the rate of 10 per cent. per annum, free of income-tax.

W. J. Bush & Co., Ltd.—The annual meeting was held at the Institute of Chartered Accountants, Moorgate Street, London, E.C., on October 24, Mr. James M. Bush (chairman) presiding. In moving the adoption of the report and accounts (see *C. & D.*, October 19, p. 48) the Chairman dealt at length with the position of the Russian branch and war taxation. In the early part of the year the turnover declined, but renewed activity was shown in the latter part, so that the total turnover was little less than that of the preceding year. The gross profit suffered a small decline owing to the depreciation of the rouble, while the expenses increased considerably, with the consequence that the net profit shows a considerable decrease. The accounts show a balance of 64,004*l.*, out of which it is proposed to pay a final dividend of 12½ per cent. on the ordinary shares, making, with the interim dividends already paid, 20 per cent. for the year, the amount of which is 25,000*l.* This will leave the sum of 39,004*l.* to be carried forward, which sum is estimated to be sufficient to provide for excess-profits duty and Russian taxation, and also to provide a substantial sum towards wiping out any further losses which may be incurred in Russia. Sir George Hayter Chubb, Bart., seconded the motion, which was unanimously adopted. Mr. Alfred W. Bush (managing director) proposed the re-election of Mr. Robert Wigram as a director, which was seconded by Dr. Percy C. C. Isherwood, F.I.C., and unanimously agreed to.

A. & F. Pears, Ltd.—The ordinary general meeting was held on October 29 at 71-75 New Oxford Street, W.C. Sir Thomas R. Dewar, Bart. (the chairman), presided, and in moving the adoption of the report and accounts said that in addition to paying 12 per cent. on the preferred ordinary and 20 per cent. on the ordinary shares the directors were placing a further 5,000*l.* to the reserve, bringing it up to 115,000*l.* The increase in the balance-sheet figures was due to the continuous expansion in the volume of business and in a smaller degree to higher prices. The great development in the business had come about through the working arrangement with Messrs. Lever Brothers and their wonderful system of distribution. In order to keep up with the ever-increasing volume of business the directors were proposing an increase in the ordinary share capital, the whole of which would be taken by the existing ordinary shareholders. Notwithstanding the rise in raw materials and freights the public was being supplied with the same high-class article as heretofore at a very moderate price. The best British soap was obtainable at 6*d.* per tablet, whereas in Leipsic an inferior quality of German soap was selling at 10*s.* 6*d.* per tablet—when it was procurable. The foundation which had been laid during the last four years throughout the markets of the world, not only for their old-established commodities, but for all the new articles, comprising their "Golden Series" of toilet-requirements, had produced results which had exceeded the most sanguine hopes of the directors.

The Germans in the Netherlands East Indies are taking energetic steps to exclude all but their own trade from these markets after the war.—*Board of Trade Journal.*

Legal Reports.

Unstamped Samples.—At Leeds last week, Dr. Charles Rooke, Ltd., East Parade, were charged with sending cut free samples of cough-mixtures without revenue-duty stamps attached. A free trial was offered if 2*d.* was enclosed for postage. For the defence it was contended that there was no sale. The Bench, however, held that "uttering" sample bottles of dutiable medicine necessitated revenue stamps being affixed, and fined the company 2*l.*, with five guineas costs.

Cream-of-Tartar Contract. — On October 31, Mr. Pollock, High Court Referee, sat to assess damages for breach of a contract to deliver certain parcels of cream of tartar, the plaintiffs being Fuerst Bros., Ltd., London, and the defendants Fabbrica Chimica Arenella à Società Anonima, Palermo. Mr. Conway appeared for the plaintiffs, and defendants did not appear. According to counsel's statement, the defendants entered into two contracts to supply certain parcels of cream of tartar, which contracts they had failed to carry out. As a consequence the plaintiffs had had to buy on a rising market, and the difference between the contract prices and those at which plaintiffs had had to make their purchases formed the subject of the claim. In all there had been default in delivery of 40 tons. The claim was not only for default in delivery, but also for default in delivery of documents in this country, in consequence of which the writ had to be served out of jurisdiction. Mr. Jules Fuerst, director of the plaintiff company, gave evidence, and the Referee assessed the damages at the amount claimed (1,815*l.*), with costs.

Trade Notes.

Enolin Tooth-paste, made by A. & E. Carreras, perfumers, 207 King Street, Hammersmith, London, W. 6, is designated in the firm's advertisement as "the super paste."

M. P. Inhaler.—A convenient form of inhaler calculated to render antiseptic the nose and throat is shown on "Maw's Page." This is the M. P. inhaler so called because the inhalant employed in it consists of menthol and pine. The sale of the inhaler is very large at the present time, when the public wish to guard against influenza infection.

Ambrine Candles form an ingenious and convenient method of applying ambrine to burns. The candle is lighted and the melted ambrine allowed to drop on the affected parts. The Anglo-French Drug Co., Ltd., Gamage Building, Holborn, London, E.C. 1, give particulars in their advertisement in this issue.

Influenza Spray.—John Bell, Hills & Lucas, Ltd., Oxford Works, Tower Bridge Road, London, S.E. 1, call attention to Bell's antiseptic floral spray for use as a germicide during the present influenza epidemic. The spray sells at 1*s.* and 1*s.* 9*d.*, these prices being protected under the scheme of the Proprietary Articles Trade Association.

Tested Clinical Thermometers.—Mr. G. H. Zeal, 82 Turnmill Street, London, E.C. 1, announces that in future all clinical thermometers supplied by him will be tested and marked by the National Physical Laboratory. Any stock held by customers on November 20 not so marked should be returned to him so that it can be tested and marked.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

212/74. "Hypol" (for use after gassing)
199/60. "Vikko" soap
210/37. Cresylol sodique
212/14. "Hippural"
209/58. "Celino" salt.
213/65. "Panglandine"

INFORMATION SUPPLIED.

Algin, soluble, 210/40
Alginic acid, 210/40
Allen's hair-restorer, 212/532
"Antexema," 212/53
Antiphlogistine, 206/41
"Aonian" lighter flints, 195/8
"Asiatic" body-cord, 212/8
Baines' di-electric, 210/55
"Bee" brand sealing-wax, 200/63
Boot-polish, 204/31
"Bromogen," 212/9
"Brunolinum," 212/72
Byard's eucalyptus citriodora, 206/43
Dakin's solution, 199/44
Dental-cream, 204/31
"Diamond" dyes, 212/535
Emulsifier, 212/47
"Neutrigen," 207/33
Neville's toilet preparations, 191/35

Observations and Reflections.

By Xrayser II.

A Fuller Report

of Mr. Glyn-Jones's address than I had seen when writing my note of last week makes still more evident the fatal weakness of his contention that in the Society as it is at present constituted we have the promise and potency of all we need in the way of an organisation. All that can possibly be required is the "reform" of the Society, which (he implies) is possible without any radical change. For in three years we can always entirely replace the Council. *In three years*! Yet Mr. Glyn-Jones goes on to say that the problems which confront us cannot wait while we are deciding upon a new organisation to deal with them. If so, they certainly cannot wait for an effective reform of the Society under its present constitution, even were such reform possible ultimately. His reference to the statutory mode of electing the Council disposes, indeed, of his whole case. Either the Society must be reconstituted on a thoroughly democratic basis, or we must have another organisation that is so constituted, to look after such interests as the Society has proved itself unable to look after efficiently. That is the only alternative: I prefer the former course, if there is time for it, but the latter as a working proposition seems at present the more feasible. Mr. Glyn-Jones apparently favours neither.

The Discussion of the Terms

at Manchester puts the position in which we find ourselves in the clearest light. The Executive asked for half of the increase we demanded, and has accepted something less even than that. It is this acceptance, and the feeling that we are bound by it, rather than satisfaction with the terms themselves, that has led too many of the local Associations to follow suit. We have, in short, as the Chairman of the meeting said, again been "let down" by our "representatives." It makes the matter no better that their weakness is reflected in so many of the Associations that are supposed to have elected them. We have the government we deserve, and the more is the pity. It is all very well to abuse the Executive (and it was abused in good style at Manchester), but though it may relieve our feelings it does us no other good. The remedy is to get rid of this misshapen Old Man of the Sea with whom we have saddled ourselves—in other words, to get our new organisation into being before another year comes round.

A Clear Majority

(of the Local Associations, or of the Pharmaceutical Committees, or of both?) is, it was announced at the meeting of Council on October 23, in favour of accepting the proposed Tariff terms for 1919, and there will therefore be no Conference to reconsider them. I confess to great surprise at the announcement. Such reports as I have seen of local meetings (and I see most if not all that are published) by no means prepared me for it. On the contrary, the majority of these reports seemed to show great dissatisfaction with the terms, and this was certainly the case as regards many of the most important Associations. One wonders how this "clear majority" was made up. Have the Associations all the same weight, irrespective of their numerical strength or political importance? Have they all spoken? I should like to see a full return of the voting. In any case, I am convinced that the decision arrived at does not reflect the opinion of even a considerable minority of individual pharmacists.

Panel Doctors

it appears, are discussing the suggestion of a strike for increased pay. I do not know what case they have for such an attitude, but it can hardly be stronger than ours. Nor do I commend their methods, though certainly they have in the past been more effective than ours. I cannot, however, help asking myself whether a slight infusion of their spirit in us is not desirable. The virtue of self-abnegation, like every other virtue, may be carried too far, and, after all, I am not sure that self-abnegation, or virtue of any kind, is the cause of our failure to secure satisfactory terms. In my darker moods I sometimes fear it is a compound of snobbery in high places with cowardice in the ranks that is to blame. We were so elated to find ourselves recognised at all that we accepted anything as good enough for us.

Mr. Dott's Reference

to the Chinese opium-trade in his address upon "The Influence of Philanthropy on Trade and Manufactures" has some bearing on a question of pharmaceutical ethics that has often been discussed—is it right to deal in articles liable to abuse, and which it is reasonable to suppose are more often abused than not? The question assumes that there is in respect to such matters an absolute right and an absolute wrong, an assumption which an enlightened philosophy rejects. The rightness or wrongness of any human action must be judged, from the point of view of individual morality, by its motive, from that of social morality by the sum of its effects. It is quite arguable that the State regulation of vice itself, much more likely that the regulation of the traffic in opium, may be a less evil than an attempt at the total suppression, since the effect of the latter might be to make the evil still worse by driving it underground. It is a dangerous doctrine, perhaps, even as concerns State action, and it is still more dangerous where individual action is concerned. But in both cases it is a doctrine which may conceivably be acted upon without moral blame.

"On the Nature of Things."

Dr. Hugh Woods's treatise with this title (published by John Wright & Sons, Ltd., Bristol) is modelled upon the *De Rerum Natura* of Lucretius, and every chapter of it has for its motto and text a quotation from that poem. Dr. Woods does not enter upon such metaphysical questions as the origin of matter, or of anything else; taking space, matter, motion, and time as existing for our senses, he undertakes to show that "the whole of physical science can be built up without assuming more than these, and modifications of them." Within these limits it is possible for him to present us with an interpretation of nature—including in that term everything of which our senses take cognisance, from the rarest æther to the highest form of intellectual life—that is closely in accord with the materialistic philosophy of the Roman poet—and this is what he does. Starting with matter, for the actual, objective existence of which (alone of all his postulates) he appears to contend, and which he defines as "anything which occupies space to the exclusion of everything else"—a definition, he adds, which, strictly, applies only to the atoms of which matter consists—he argues that from different states of matter and modes of its motion every phenomenon in the whole universe, as we know it, can be deduced. He carries his argument through a review of chemical atoms and combinations, heat, light, electricity and magnetism, sound and allied physical phenomena, astronomy and gravitation, life and vital processes, the senses and the mind. "The view that the life of man or other animal" is merely "a highly specialised energy" is (he says) one that "offers an explanation of life on a scientific, physical, and chemical basis," and he accepts it as the only one of the validity of which we have any real evidence. The book is rather stiff reading, but its interest, especially for chemists, is considerable, and does not depend upon an acquaintance with Lucretius, though it is heightened by the parallelism of its argument with his. The author contends that this interest is not mainly theoretic, since the moral of the book is the necessity of diverting useless forms of energy—those, for instance, wasted in imaginary explanations of physical facts—into channels of practical utility. The conclusion at which he arrives is nevertheless depressing, and it is not made less so by a reference to the war on the last page, with the reflection that "the same matter and energy that would make a heaven may also make a hell." It is some consolation to remember that a competent idealistic philosopher would probably have no difficulty in demolishing Dr. Woods's whole argument.

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Editorial Articles.

The Sale of a Chemist's Business.

It rarely happens that the business of a chemist and druggist is disposed of without something being paid for the item of goodwill. Goodwill is closely connected with the reputation of the business, its chief value consisting in the probability that those who were customers of the business will continue their custom after the premises have changed hands. The value of the goodwill, therefore, depends a good deal on what the seller does or can do as a business rival after he has sold the old business. A person buying a business with a goodwill ought to get the seller to contract not to open or be interested in the business of a chemist and druggist within a certain distance of the old place of business, and for a period long enough to enable the buyer to realise the full value of the goodwill. If the seller does not bind himself in this way, there is nothing to prevent him opening a shop next door in competition with the old one, and he may serve the old customers if they choose to deal with him; but the law does not allow him to canvass them for their custom. It is, however, usual, where a sale takes place, for the seller to bind himself not to open a rival business in opposition to the old one he has sold. Such a stipulation is a part of the contract of sale, and is governed by special rules of law. The seller may bind himself not to open a rival shop anywhere at any time, or he may undertake not to open a rival shop within a certain distance of the one he has sold at any time, or he may only bind himself against opening within a limited distance and for a limited time. Even when he has agreed in this way, it does not follow that the agreement will be binding on him. The law looks upon it as being contrary to public policy that anyone should be prevented from following his proper avocation. On this ground, therefore, it is laid down that the undertaking given by the seller not to open the rival business must not be wider than is reasonably necessary to secure to the buyer the business, including the goodwill, which he has bought. If it goes beyond this it is void altogether, and the buyer is in the same position as if he had bought without the seller giving any undertaking that he would not open a new business in competition with him. When a contract of sale of a business with the goodwill is made, therefore, great care ought to be taken to see that the limits by which the seller may bind himself not to open a rival business are not exceeded. It would be impossible to lay down a general rule as to what is a reasonable restraint. Each case has to be decided upon its own particular circumstances by the Judge who tries it. But certain decisions give a clue to what would be likely to be held in a particular case. About a hundred years ago a person who bound himself for an unlimited time not to carry on the business of an apothecary within a distance of twenty miles of Aylesbury was held to his contract; and more recently, when a man undertook not to carry on for an unlimited time the business of a chemist and druggist in Taunton or within three miles of this town, the restraint was considered by the Courts to be reasonable. In modern times there is a tendency to allow a restraint as to distance which in earlier times would be thought unreasonable. This is because of the improved means of communication. Thus a limit of a hundred and fifty or two hundred miles has been allowed. In every case where a radius of so much is laid down this is taken to mean as the crow flies. There is one practical point of importance which has to be considered in regard to these contracts restraining a person from trading. Although if a contract not to trade is so wide, either as regards

time or space, as to be unreasonable, it is wholly void, if a portion of the undertaking can be severed from the remainder and this portion is reasonable, the law will give effect to it. It would therefore be well, where it is desired to bind anyone not to carry on a particular business, and there is any risk of the restraint being unreasonable, that the restraint should be imposed in more than one distinct way. The covenant might have alternative areas and alternative periods of time; then if one were held to be unreasonable and void, the other might still be binding.

The Saccharin Situation.

It will be remembered that in August last the Royal Commission on Sugar Supplies placed an embargo on the importation of saccharin into the United Kingdom from the United States, and as we understand this restriction has been rigidly adhered to, importations have ceased and British consumers will have to depend entirely on home make when the spot stocks of American are exhausted. Whether sufficient British saccharin will be provided for home needs is still a moot point, but several of the large users, preferring not to take risks of being without supplies of the imported product, have covered themselves to the end of the year. The effect of the British embargo in the United States was somewhat startling on that market, the price in New York declining by about $15 per lb. to $20 per lb. Great disappointment has been expressed in America at the embargo, as considerable capital has, since the war, been invested in new plants, and the assertion is made by an American contemporary that "Great Britain dictates the market quotation to an extent which reacts on legitimate American trading." That is because Great Britain was America's best customer, but with the authorities here it is evidently a question of finance rather than shipping space. However, American exporters are turning their attention to Far Eastern markets, such as China and Japan, and it is to be hoped that these will compensate them to some extent. Meanwhile it must be said that the consumption of saccharin in this country is still increasing, and several large manufacturers are taking measures to use the chemical more extensively as a sweetening agent in foods after the war, and until the sugar position is restored to its normal condition, which may not be for several years, saccharin will still be an important factor as a food-sweetener. Meanwhile the market value here has been gradually weakening, and the comparatively low price of the British rationed saccharin must have an important bearing on future market values as time goes on, especially as the home output is bound to increase with the cessation of hostilities. There is further room for improvement in the quality of British-made saccharin, however, which is not yet equal to the premier American brands. The Annual Statement of Trade for 1917 has been published, and we give the imports, exports, and re-exports for five years:

Imports.

—	1913	1914	1915	1916	1917
	Oz.	Oz.	Oz.	Oz.	Oz.
Germany	1,126,376	1,178,351	—	—	—
Netherlands ...	79,415	314,557	420,946	30,632	—
France	3	—	116,481	9,561	480
Switzerland ...	35,680	149,920	1,323,651	263,695	136,681
United States of America ...	113	10,646	160,901	7,003	354,469
Philippine Islands and Guam ...	—	—	87,200	—	—
Other Foreign Countries ...	—	—	2,159	37,002	4,760
Total from Foreign Countries	1,241,587	1,653,474	2,111,338	347,893	496,390
Total from British Possessions	626	3,240	12,845	8,461	55,246
Total ...	1,242,213	1,656,714	2,124,183	356,354	551,636
Value ...	£14,425	£22,438	£64,767	£22,251	£173,573

Exports.

—	1913	1914	1915	1916	1917
	Oz.	Oz.	Oz.	Oz.	Oz.
Total to Foreign Countries ...	10,046	23,190	2,876	6,619	250
Total to British Possessions ...	11,232	126,875	1,788	8,839	235
Total ...	21,278	150,065	4,664	15,458	485
Value... ...	£4,402	£3,726	£682	£3,257	£338

Re-exports.

—	1913	1914	1915	1916	1917
	Oz.	Oz.	Oz.	Oz.	Oz.
United States of America ...	—	—	1,600	36,635	—
Other Foreign Countries ...	33,018	11,516	30	34,120	1,792
Total to Foreign Countries ...	33,018	11,516	1,630	70,755	1,792
Canada	160	64	—	15,600	272
Other British Possessions ...	121,668	214,386	32,407	18,621	1,260
Total to British Possessions ...	121,828	214,450	32,407	34,221	1,532
Total ...	154,846	225,966	34,037	104,976	3,324
Value ...	£2,127	£2,046	£1,289	£6,749	£722

The Public Health.

The principal interest—and value—of the Forty-seventh Annual Report of the Medical Officer to the Local Government Board, just issued, lie in the indications given of the future trend of public-health work. Sir Arthur Newsholme points out boldly and eloquently the prime necessity for the broadening of preventive measures to ensure elimination of the "C3" element from the national life of the future. The success of such measures during recent years points, he says, to the need for research into the causation of disease on a much larger scale than hitherto, extensions of communal action for the prevention and treatment of disease, and the simplification and strengthening of administrative machinery. Although much good work has already been done, as exemplified in higher average age-limit and the decrease in the death-rate of young children from 1871 up to 1918 (the period covered by this Report being the year ended March 1918), "it cannot be said that we have advanced far in the knowledge of practicable means for the prevention of catarrhal diseases, such as influenza, pneumonia and cerebro-spinal fever, or of measles, whooping-cough, and poliomyelitis. The causation and prevention of cancer are still unsolved problems." He advocates the training of every medical student in preventive medicine, and that every medical practitioner be given, at the State's expense, three months' special training in some particular branch of medical knowledge every three years. By these means only can public-health work be properly carried out, his ideal being that each medical practitioner should become a medical officer of health in the range of his own practice. The subject must be looked at from the broad social point of view, bearing in mind that "the principle distinguishing modern medicine from empiricism is that the former, while not neglecting to apply restorative treatment to the patient, endeavours to ascertain the causation of his illness, and to prevent the continued operation of the causal agents." This leads up to the question of scrapping some of the old administrative machinery and, incidentally, a reference to the creation of a Ministry of Health. Such a Ministry would not, however, in itself save a single life; it could only effect good in so far as it was able to simplify the stages through which proposals for reform need to pass. Sir Arthur touches lightly and carefully on the problem of State medicine, asserting plainly, however, that, in the interests of public health, medical services should be readily available for all needing

them, and that these services should be as efficient as those obtainable by the rich. Everyone should have access not only to a medical practitioner, but also, through him, to a specialist if necessary. On the question of the artificial feeding of infants a Report by Dr. Coutts is specially referred to which shows that if artificial feeding must be adopted, and a pure fresh milk is not readily obtainable, the use of dried milk is preferable. It can be reconstituted as cow's milk with the added advantages of being more digestible and less liable to the risk of bacterial contamination. Dr. Coutts advises the use with it occasionally of some fruit or potato juice. During the period under review there were small outbreaks of smallpox, enteric fever, dysentery, epidemic jaundice, plague, typhus, trench fever, malaria, cerebro-spinal fever, poliomyelitis, encephalitis, and the usual whooping-cough and measles. These are all reported upon in detail—the more uncommon maladies being the result, of course, of war conditions and the transference of troops from various parts of the world. Sir Arthur Newsholme is not enthusiastic on the success of the whooping-cough vaccines that have been tried recently. One, intended to be protective, consisted of an emulsion of dead bacilli, but "the results hitherto obtained are open to doubt." A curative vaccine for whooping-cough, consisting of Bordet vaccine and a pneumococcus vaccine, has been employed, "but no definite results have been published." In dealing with the prevention and treatment of venereal diseases the Report states that during 1917-18 the preparations known as "Salvarsan" of Evans Sons Lescher & Webb, Ltd.; "Diarsenol," supplied by Mr. G. R. Browne; "Galyl," supplied by the Anglo-French Drug Co., Ltd.; and "Neo-kharsivan," supplied by Burroughs Wellcome & Co., were placed on the approved list of substitutes for salvarsan, in addition to Kharsivan, Arsenobillon, and Novarsenobillon already approved by the Board. In this connection also it is urged that full inquiry should be made to ascertain and record any unusual complications after administration of salvarsan substitutes. The Report continues:

> It is also desirable that consignments of salvarsan preparations should be carefully inspected in daylight before being put into stock. In one instance some ampoules of a salvarsan preparation were found defective. This was indicated by discoloration varying from a slight darkening of the powder to a condition in which the substance was in the form of a brown, pasty mass. The latter condition was so obvious that it could scarcely escape notice, but in some of the other ampoules the alteration of colour was comparatively slight. Close inspection of these ampoules revealed cracks or flaws in the glass, allowing admission of air and alteration of the product.
>
> Military venereal-disease hospitals have used arsenobenzol preparations on a very large scale, and their records show that in rare instances toxic symptoms of a severe, and even fatal, character may follow.

Dealing with the work in the Board's Pathological Laboratory, Dr. Eastwood reports that the greater part of the year 1917-18 was mainly concerned with the Wassermann test for syphilis, and it is stated in this connection that arrangements are being made by Col. Harrison, D.S.O., K.H.P., R.A.M.C., for the extended trial by Army pathologists of the modifications which appear, at the moment, to be useful. Several consignments of shaving-brushes have been sent for examination under suspicion of anthrax. Four from Godalming were negative; two out of eighteen from Chatham were positive, while twenty-three out of twenty-seven from Jarrow-on-Tyne were positive. Anthrax was recovered from certain samples of horsehair which had been treated by the Cyllin process of disinfection. In an exhaustive report by Dr. Reece on the cerebro-spinal fever outbreak in 1915-16, part of the remedial treatment recommended is to use twice daily a spray of potassium permanganate one part in 5,000 parts of 0.8-per-cent. solution of sodium chloride. This should be blown in a fine spray through the nostrils and mouth to the naso-pharynx. If hand-sprays are not available, a nasal douche should be used; afterwards a further quantity of the solution is to be applied as a mouthwash or gargle. In the Army experiments several patients were treated at one time by using a small room into the atmosphere of which steam, generated in a small boiler, is driven, carrying with it a disinfectant solution in the form of an atomised spray. The best results were obtained with chloramine in a 1.5-per-cent. solution and zinc sulphate in a 2-per-cent. solution.

Whitley Councils.

The mention in our last issue of the need for a Whitley Council to represent the whole of the drug-trade has brought us requests for further particulars as to the formation of a Joint Standing Industrial Council. One correspondent goes so far as to write that he thinks such a scheme would settle the difficult problem of the organisation of the drug-trade. The following are the three Reports issued by the Committee on Relations between Employers and Employed:

Interim Report, Cd. 8606, 1*d*.
2nd Report, Cd. 9002, 1*d*.
Final Report, Cd. 9153, 1*d*.

These can be obtained at the Stationery Office or through any bookseller. The Reports are also issued as pamphlets by the Ministry of Labour, these being called Industrial Reports, and are Nos. 1 to 3; they are published at 1*d*. each. There is an Industrial Reconstruction Council (2 and 4 Tudor Street, London, E.C. 4), which is ready to advise any trade in the formation of Whitley Councils. It is interesting to note that already fifteen Joint Industrial Councils have been formed as follows: (1) pottery, (2) building, (3) rubber, (4) gold and silver trades, (5) matches, (6) silk, (7) furniture, (8) chemical trade, (9) baking, (10) vehicle-building, (11) china clay, (12) hosiery, (13) paint and varnish, (14) leather goods, (15) bobbin and shuttle making industry. It is too much to hope that the drug-trade will be the sixteenth, but it may not be far down the list if our leaders take the question in hand at once.

Economising Quinine.

In view of the grave shortage of quinine, we should like to direct the attention of pharmacists and medical men to the advantage of prescribing the minor alkaloids of cinchona, such as cinchonine sulphate and muriate, cinchonidine sulphate, and quinidine sulphate. As it is there is a brisk demand for these febrifuges, too little use of which has been made in this country. Compared with quinine at its present price, these alkaloids are offered very cheaply, and they have given satisfaction as substitutes when quinine is lacking. In the United States they are freely prescribed and put up as proprietary remedies. The drug-trade is becoming impatient at the intolerable delay of the Army Council in not announcing what the new scheduled prices of quinine are to be, as buyers just at this critical time are afraid to purchase legitimate requirements (if they can get them) when there is a possibility of the price being halved. No secret need be made of the fact that large consignments of quinine are about to be landed, and will be ready for delivery shortly. Great disappointment will follow if a substantial portion is not released by the Government, as we do not suppose the shortage has ever been so acute. Let us hope that the quinine-makers in Allied countries, who appear to be coming to some understanding with regard to the acquisition of raw material, will be able to take such action as will prevent a recurrence of the present famine. Hitherto Britain has only been a small consumer of quinine, but that opinion must now be revised.

Clinical Thermometer Order.

Whilst thankful to Mr. Glyn-Jones for his services in obtaining an extension of time for the testing of clinical thermometers, the trade is taking the matter very quietly. The question of the fees is not well understood, the price charged being high because it includes insurance. The Laboratory authorities insure the thermometers not only whilst in their custody but also in transit. They reserve the right, however, to reject any claim on account of damage in transit when the damage is in their opinion clearly to be attributed to insufficient packing. The authorities also state that the value for which the goods

are insured is the cost-price of manufacture, so that the amount recoverable will not necessarily cover the loss to the chemist who sends thermometers which are broken in transit or whilst at the Laboratory. There is a method of insurance available to manufacturers who are regular customers of the Laboratory by which the manufacturer insures the risk. The stamping-fees are correspondingly smaller. British makers are not at all satisfied to see their export trade wiped away by the new Order—that will be the practical effect when the avenues of commerce are open again—but it is hoped that some representative body will be able to settle the matter satisfactorily. This effect on British trade is one of the disadvantages of legislation by Government Departments.

Who Really Pays?

WE call attention to a curiosity in pharmaceutical affairs which we think justifies us in continuing our efforts to obtain reforms in the procedure of the Pharmaceutical Society. At the Council-meeting held on October 23, Mr. Mallinson was appointed an additional Assistant Secretary. The following is one of the three recommendations of the Special Staff Committee dealing with this matter which the Council adopted :

That the salary of Mr. Mallinson and the wages of any member of the staff not exclusively employed in the work of the Checking Bureau should be paid out of the Society's general funds, and that (subject to the approval of the Local Associations Executive, on the advice of its Finance Sub-Committee) 600*l.* be charged to the Local Associations Executive account to cover the cost of the secretarial and office services necessitated in carrying out the work performed under the direction of the Local Associations Executive.

There is doubtless some good reason for this *camouflage*, but as the matter was decided upon at a private meeting we naturally are unaware of the cause of this roundabout finance. We suspect that the councillors have been told that in this way the Council retains its hold on the services of the additional Assistant Secretary, but are the panel chemists who pay the expenses of the Checking Bureau satisfied? Sufficient data for a decision are not given in the resolution, but some time ago it was mentioned that Mr. Mallinson's salary was 450*l.*, so that there is an additional 150*l.* for other services. If, however, Mr. Mallinson earns 450*l.* by his services to the Checking Bureau he cannot have time for secretarial duties to the Pharmaceutical Society. It may be that the Checking Bureau pays only a small part, say 100*l.*, of Mr. Mallinson's salary, in which case we think the panel chemists are entitled to have some details of the "secretarial and office services" for which they pay 600*l.* It is, perhaps, another case of there being "clearly no obligation on the part of the Committee to report in detail upon its work."

More Tales of Oenophus.

I.—Concernynge Ministeres of ye Croune.

SUBSEQUENTE to yo Reluctante Assumptione bye ye Glibbe Glone Djinns of ye Throune atte Bluhmsbré came a Spasme of Activytie. For it was needfull that Apperences be Kepte Uppe.

Moreover, there being a Grete Warre onne, Everyonne was eyther anne Officiale of ye Gouvernemente or a Ministere of ye Croune. Ergo: Ministeres were comparatyvelie chepe—butte Reputationes dere.

Soe, ye Officiale Reconstructor was lured to Bluhmsbré and Speche demanded offe Him. Hys Comynge was loudlie proclaymed, butte ye Flocke was languide and sorelie lackvngo in Propere Appreciatione of Honor Done.

Albeit ye Devyllinge for ye Grete Speche had bene loose in partes; soe itte was Notte Devoide of Bloomers.

Wherefore ye Krafte remayned Unimprest; some, gretely daring, e'en grected ye Grete Efforte with Ribald Laughtere.

Nowe to mete with Critique ye Solemnities of a Ministere of ye Croune is anne Heynouse Offence. Soe, as punishmente, itte hath bene decreed that Repryntes be scattert brode-caste among ye Proletariate.

Verily, verily, a Cruell Revenge, my Masters!

CEYLON COCONUT OIL.—The exports from Ceylon during 1917 were 428,206 cwt., against 322,316 cwt. in 1916.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Essex.—The Insurance Committee met at River Plate House, London, E.C., on October 29, Mr. J. H. Burrows presiding. Payment to chemists was ordered of 5,368*l.* 17*s.* 11*d.* for the quarter ended September 30, and of 772*l.* 10*s.* 4*d.* for dispensing in rural areas. Mr. S. H. Payne said that prior to the formation of the Prescription Pricing Committee for the Eastern Counties this work cost Essex 140*l.*; now the cost to the area was 359*l.*, or 219*l.* more. The Finance Committe considers that this should be made good by a special grant. On the recommendation of the Medical Benefit Sub-Committee it was agreed that the Chelmsford chemists' Sunday rota should be continued during the war, provided that notices are displayed in the doctors' surgeries and chemists' shops giving particulars of the arrangement. The consideration of an allegation of inaccurate dispensing was adjourned on account of the illness of the chemist.

Liverpool.—A meeting of panel chemists, called by the Pharmaceutical Committee (see *C. & D.*, October 19, p. 47), was held on October 15, when the following resolutions were carried: (1) "That this meeting of panel chemists consider the Commissioners' offer of 0.45*d.* per prescription utterly inadequate in view of the increased cost of carrying on the dispensing service under the National Health Insurance Act." (2) "That an increase of 1*d.* per prescription should be the minimum under which we are prepared to accept service." (3) "That the proposals made by the Local Associations Executive to the Commissioners exhibit either a lack of knowledge of existing conditions or indifference to the interests and rights of pharmacists, and demand the immediate calling of a conference to consider the whole position." (4) "That we refuse to accept service under the terms offered." (5) "That this meeting indignantly protests against the utterly inadequate time allowed to consider the proposal, and repudiates the action of the L.A.E. in making a proposal to the Commissioners without first calling a conference to consider the matter."

Middlesex.—The Pharmaceutical Committee's report for the year ended July last, which has just been issued, deals mainly with the dispensing terms for 1919. The cost of dispensing in 1915 (under the old Tariff) was 1*s.* 10*d.* per insured person, which fell to 1*s.* 4½*d.* in 1916, under the commercial Tariff, and to less than 1*s.* 3*d.* in 1917, largely due to the introduction of stock mixtures, etc., the doctors thus securing the whole of the "floating sixpence." In addition to the 0.75*d.* per prescription now allowed a further increase of 20 per cent. is needed to place the dispensing charges on a level with the 1915 Tariff. The Committee is convinced of the necessity of a further allowance for 1919 to cover increased working expenses and to provide an adequate remuneration for the chemist; and, further, that a professional fee of 6*d.* should be payable on every script over and above the cost of drugs and appliances. While the 0.75*d.* per prescription was granted to meet the abnormal business expenses, and though the purchasing power of money has been reduced by half, adds the report, "no addition whatever has been made to the portion of the dispensing-fee allotted for the chemist's professional services. As an illustration of this point, it may be stated that a professional fee of 2*d.* was allowed before the war for dispensing an ordinary 8-oz. mixture, and that fee remains unaltered to-day, since the standard fee of 3.55*d.* is made up by adding to the 2*d.*, which the chemist can alone regard as payment for services rendered, the establishment-charge of 0.8*d.*, *plus* the 0.75*d.* subsequently allowed for increased business expenses. The actual net average dispensing-fee is only 1.75*d.* per prescription!" The report dwells on the advantages of the Committee's special system of prescription-checking, and pays tribute to the services rendered by Mr. Hugo Wolff in connection with pharmacists' claims for exemption from military service.

Nottinghamshire.—The chief subject discussed at the last meeting of the Pharmaceutical Committee was the increase in the rate for dispensing of 0.45*d.* per prescription. While the Committee considered the payment inadequate, they were not disposed to embarrass the Government Department concerned in existing circumstances, and decided to recommend chemists in the county to accept the terms for the present.

Associations' Winter Session.

Devon.—A meeting of the Devon Pharmaceutical Association was held at Exeter on October 16, Mr. P. F. Rowsell in the chair. A discussion took place on the report of the Committee on Organisation, and it was resolved that the Association approves generally of the report. The Secretary was instructed to write to the Devon County Council asking that in setting up the Committee on Maternity and Children's Welfare due representation should be given to pharmacists. The following resolution was unanimously carried: "That this Association directs that the attention of Messrs. Allen & Hanburys be called to the fact that their new scheme of discounts reduces the gross profit to the retailer at a time when working expenses are increasing. It requests that the old percentage of profits be restored, and appoints a Sub-Committee to consider Messrs. Allen & Hanburys' reply and to take any action necessary thereon." The War Auxiliary Benevolent Fund was considered, and it was decided to make an appeal to all the members. Subscriptions varying from 5*l.* to 21*l.* were promised at the meeting.

Dorset.—The annual meeting of the Dorset County Pharmacists' Association was held at Dorchester on October 17, Mr. H. Ayre presiding over a small attendance of members from Poole, Portland, Weymouth, Sherborne, and Dorchester. The reports of the Secretary and Treasurer were adopted, and the President and Secretary of the Pharmaceutical Society were elected *ex officio* members of the Association. The officers elected for the ensuing year were: *President*, Mr. H. Ayre (Poole); *Vice-President*, Mr. W. S. N. Merrick (Dorchester); *Treasurer*, Mr. F. Hancock (Weymouth); *Hon. Secretary*, Mr. J. W. Cussons (Dorchester). The Insurance Tariff for 1919 was discussed, and while it was agreed that the proposed terms are totally inadequate, it was decided to accept them on the understanding that existing local arrangements still hold good. The Insurance Committee asked that chemists should accept prescriptions on a single form instead of in duplicate; but the request was refused, as the duplicate serves the purpose of a poison register. Circulars were received from the Pharmaceutical Society in regard to saccharin and the War Auxiliary Benevolent Fund. It was agreed to subscribe to the latter five guineas from the Association, and all the members present made a personal donation also. It was unanimously resolved to withdraw from sale all Messrs. Elliman's preparations, and to express to the firm and the Proprietary Articles Trade Association the views of the meeting on the dispute. It was also decided that face-value should be the minimum price of all proprietary medicines, and that at least a 20 per cent. profit on the selling-price should be the standard adopted by the P.A.T.A.

Great Yarmouth.—The monthly meeting of the Great Yarmouth Pharmaceutical Association was held at 156 King Street last month, Mr. J. S. Shearman (President) in the chair. Letters from the Pharmaceutical Society and Mr. Moreton Parry in regard to the War Auxiliary Benevolent Fund were read and discussed, and are to be considered at the next meeting.

Hull.—At a meeting of the Hull Pharmacists' Association on October 22, Mr. L. S. Sellé in the chair, a paper was read on *The Reform Act* by Mr. T. Smith, Osborne Street.

Institute of Ophthalmic Opticians.—A meeting of the Council of the Institute of Ophthalmic Opticians was held on October 17 at the School of Optics, 2 Guildford Place, London, W.C. The chair was occupied by Mr. F. W. Dadd. Sixteen persons (including one lady) were admitted Fellows of the Institute. In accordance with an invitation from the Association of Wholesale and Manufacturing Opticians, the following gentlemen were appointed to represent the Institute on a Joint Committee to deal with optical standards, nomenclature, and other matters connected with ophthalmic optics: Messrs. L. Laurance, W. T. Comer, G. E. Houghton, and E. Beaumont. It was also agreed that these gentlemen be asked to co-operate with the Optical Society in their investigation regarding optical science, more particularly in its bearing on the work of the optician. The General Purposes Committee recommended that an annual lecture be instituted, to be known as the Ettles Lecture, and that persons eminent in any subject bearing on the sight-testing optician's work be invited to deliver these, the fee to be ten guineas. It was stated in the course of the discussion that the lecture was intended to perpetuate the memory of the late Dr. Ettles, a distinguished oculist, who thoroughly believed in the work of the Institute, and had rendered conspicuous work in raising the status of the sight-testing optician. It was agreed by the Council that the proposed lectures would be of great benefit to the younger as well as to the older members of the craft, and the recommendation of the Committee was unanimously adopted. It was agreed that so soon after the war as possible a central office be provided with an official in regular attendance. In connection with this, regret was expressed that Mr. J. Harcombe Cuff had intimated that he would be unable to continue as Secretary and Editor for an indefinite period after the war. With reference to the question as to whether the greatly increased price asked for all kinds of spectacle-lenses was justified, it was reported by the General Purposes Committee that after making investigations they were satisfied that these prices were due to the war, that in view of all the circumstances they were not excessive, and were entirely beyond the control of the English wholesale houses.

Ipswich.—The annual meeting of the Ipswich and District Chemists' Association was held on October 15, when the report and balance-sheet for the past year showed twenty-eight members on the books and a small balance in hand. Mr. G. W. Edwards was re-elected *President*, Mr. W. H. Stones *Vice-President*, and Mr. J. C. Wiggin *Hon. Secretary*. It was decided to discontinue the sale of Elliman's Embrocation under present circumstances. It was also resolved to accept the advance offered in the terms for Insurance dispensing.

Irish Assistants. At a general meeting of the Cork Branch of the Irish Chemists' Assistants' Association, Mr. V. O'Sullivan in the chair, two delegates to the Munster Executive submitted a report on the new reorganisation of the Munster counties, which was considered satisfactory. Correspondence was also read from the Dublin Trade and Labour Council, and having discussed some routine matters the meeting adjourned.—At a meeting of the Cork Branch held on October 8, Mr. O'Sullivan presiding, it was proposed and agreed to that the Branch should amalgamate with the Shop Assistants' Union, as the Dublin Branch had already done.—At a special general meeting held on October 12, a vote of condolence was passed to the relatives of the late Mr. P. Lynch, who lost his life on board the *Leinster*.

Leicester.—At the last Committee-meeting of the Leicester Pharmaceutical Association the Secretary was able to report that every pharmacist in the borough and county of Leicester had signified his intention in writing to support the Proprietary Articles Trade Association in the matter of Ellimans. That firm's products are therefore unobtainable within a radius of from fifteen to eighteen miles of Leicester. The Organisation Committee's report was carefully considered, and several constructive resolutions were passed and forwarded to the Secretary of the Pharmaceutical Society. The question of the rationing of honey was also discussed, and strong exception was taken to its inclusion in the Jam Ration Order. The local Food Controller was written to, and a satisfactory reply has been received.

London (S.E.).—The South-East London Chemists' Association met at Maitland House, Greenwich, on October 24, Mr. E. G. Price (President) in the chair, when a vote of condolence was passed with the family of Mr. S. M. Green, a deceased member. It was unanimously agreed to support the action of the Proprietary Articles Trade Association in regard to Elliman's Embrocation. Mr. H. Skinner then addressed the meeting on *Organisation in Pharmacy*, urging that the primary requisition is decentralisation into specially equipped channels, since all our present discontents arise from the congestion, secrecy, and over-centralisation. Territorial representation on the Council is only possible with legislative sanction, and if we desire this let us be truly democratic, have annual elections of the twenty-one members for twenty-one clearly defined constituencies. But, added Mr. Skinner, "if you centralise, you will have twenty-one Councillors, and no matter how you arrange your Committees, the permutation of a few individuals with time at their disposal will soon produce a governing clique. Things will be done in Committee and behind closed doors, the Council merely registering decisions already arrived at, as in the bad old days. Now the model of devolution is already in being, though somewhat stultified through lack of imagination—the Local Associations Executive and the Scientific Advisory Committee. These two channels of activity directed by the Council would make for consolidation of all interests, would produce the unity by consuming the energy and activities of all our members, each according to his trend of mind. Let us call upon our Council to take up our problems like statesmen, stop prating about unity, but produce it by the development on rational lines of our complete corporate consciousness." A discussion followed, several questions were asked, answered, and a hearty vote of thanks was accorded to Mr.

Skinner. The President announced that a scheme of collection for the War Auxiliary Benevolent Fund was in course of preparation, and appealed for substantial support for the Fund.

London (S.W.).—A meeting of the South-West London Chemists' Association was held at Stanley's Restaurant, Clapham Junction, on October 22, Mr. John Humphrey (President) in the chair. It was agreed that the money subscribed for the face-value movement should be handed over to the Benevolent Fund of the Pharmaceutical Society, that the action taken by the Proprietary Articles Trade Association in the matter of Elliman's Embrocation should be supported, and that the London County Executive be asked to consider the desirability of refraining from selling that and other articles until the proprietors allow a living profit to retailers. In the matter of the War Auxiliary Benevolent Fund, it was decided that further information was desirable as to what was to be done with the money collected. The organisation scheme set forth in the report issued by the President of the Pharmaceutical Society was considered to be unworkable, and it was decided to give further consideration to the question of territorial representation, with especial reference to Mr. Wolff's pamphlet on the subject. The President gave an informal address, in the course of which he referred to all the foregoing subjects, and also explained the position with regard to the Insurance dispensing terms offered for 1919. He pointed out that the accounts of London panel chemists for 1916 had virtually been discounted to the extent of 33⅓ per cent., and that the 1917 accounts had similarly been discounted 18 per cent. The extra 0.45*d.* per prescription offered for next year would represent an increase of about 7½ per cent., and there had, of course, been a similar increase for the current year. But what the Insurance Commissioners gave with one hand they took away with the other, and the profit on next year's business would be far short of what it would have been if the Commercial Tariff had not been adopted three years ago. The London Pharmaceutical Committee had asked for an addition of at least 1*d.* per prescription for next year, but it was doubtful if that request had ever been considered, and it was a subject for congratulation that the Committee had declined to change its attitude in the matter. A resolution was unanimously adopted, approving the action of the London Pharmaceutical Committee in not recommending that the terms offered by the Commissioners for 1919 should be accepted by chemists on the panel.

Merthyr Tydfil.—The Merthyr Pharmacists' Association met at 148 High Street recently, Mr T. Jenkins in the chair, when a letter was read from the local patent-medicine vendors refusing to co-operate in the demand for face-value for patents without exception, and after much discussion the Secretary was directed to write and inquire whether they would agree to charge face-value for local proprietaries. The following resolution was carried unanimously: "That in view of the great increase in overhead charges, labour, and cost of living, this Association strongly urges the Council to procure a fee of 6*d.* per script on all National Health Insurance dispensing during 1919."

Nottingham.—This year is the jubilee of both the Nottingham and Hull Associations—an interesting fact mentioned by Mr. L. S. Sellé, President of the latter body, during an address to the Nottingham Pharmaceutical Association on October 16. The gathering was well attended, being the first of the winter session. Mr. A. E. Beilby presided. Mr. Sellé spoke on *Bookkeeping for Chemists, and the Preparation of Income-tax Returns*, and outlined in instructive fashion a method by which an average individual in business could prepare a concise account for himself which would be acceptable to the Revenue authorities. At the close Mr. Sellé was cordially thanked on the proposition of Mr. W. Meakin, seconded by Mr. C. E. Reynolds.

Pontypridd.—The half-yearly Conference of the South Wales and Monmouthshire Federation of Chemists' Associations took place at Pontypridd on October 10, Mr. Benson Harries (Newport) occupying the chair in the absence of the President, Mr. Leo Joseph (Cardiff). Mr. W. Oswal Davies (Pontypridd) acted for the Secretary, Mr. Harden (Cardiff). It was resolved to press for a minimum dispensing-fee of 6*d.*, the present rate of remuneration being thought utterly inadequate. It was also decided to urge and recommend the adoption of the metric system of weights and measures throughout the country as the national and commercial system. Further, "That Mr. Leo Joseph (President) be asked to undertake to send reports of Dr. Addison's speech at Bloomsbury Square to the local Press, with the object of educating public opinion on the relationship of pharmacy to medicine, and the views held by eminent doctors and publicists as to the proper spheres of the respective professions." Reference was made to the early-closing movement, a resolution being passed to the effect that the meeting "welcomed the general trend towards the earlier closing of chemists' shops, and urged local Associations to utilise present opportunities of falling into line as far as possible with other businesses in the matter of closing-hours." A public meeting of chemists was held in the evening. Mr. Benson Harries again presided, there being a representative attendance of pharmacists from the surrounding towns. Mr. Hugo Wolff (London) was the chief speaker, and in his very highly appreciated address took as his main theme *Organisation and its Bearing on National Health Insurance Work.* In the course of his remarks he emphasised the great urgency of organisation, in order to come into line with the recommendations of the Whitley Report. He outlined a scheme of organisation whereby every chemist would be attached to an Association, and would have an opportunity of making his voice heard and his requirements known. He alluded to the numerous disadvantages chemists worked under to-day in respect to Insurance work. Without efficient organisation those defects could not be adjusted, the disadvantages could not be remedied. He proved to the satisfaction of all assembled that not only was his policy one of destructive criticism whereby many old views and customs would have to be scrapped, but that he had also a constructive policy, well thought out and practical. His enthusiasm for the future welfare of the pharmaceutical profession was amply demonstrated. It was resolved, on the proposal of Mr. Lloyd (Merthyr), seconded by Mr. Rees (Dowlais), "That in the opinion of this meeting of the Federation of Chemists' Associations of South Wales and Monmouthshire the time has arrived when a change is essential in the method of checking the pricing of prescriptions, and the necessity of appointing an expert pharmacist at each Pricing Bureau to represent panel chemists. By so doing errors will be eliminated almost altogether, and not simply 10 per cent. of the errors reported some two or three months after pricing." Further, on the motion of Mr. T. Davies (Porth), seconded by Mr. R. Lloyd (Penygraig), "That we request the Pharmaceutical Council effectually to safeguard our rights to the title 'chemist,' which is by law established for many years, and by public usage for a still greater length of time." A very hearty vote of thanks was accorded Mr. Wolff for his splendid address.

Society of Chemical Industry.—The winter session of the Nottingham Section was opened on October 30, when, at the University College, Mr. F. H. Carr, F.I.C., director of Boot's Drug Co., Ltd., and Chairman of the Section, lectured on *The Synthetic Organic Chemical Industry.* He dealt with the problems which had arisen in the last four and a half years, and urged that great care should be taken to see that the work and enthusiasm called forth should not be lost to the country. While disclaiming a general belief in tariffs, Mr. Carr advocated some kind of Government assistance, so that the most important industries—in which the chemical industry was included—might be shielded until they were fairly established from the inevitable attack that would be made on them after the war. The safety of the nation depended upon the industry, and if the Government did not take some action in the direction indicated many organic chemical manufactures would again be lost to us. Already several factories had had to be closed in this country through American competition. Owing to shortage of labour and material British manufacturers had been severely handicapped during the war, and it would be some time before such conditions could be ensured as would enable the production of fine chemicals at prices current for German articles prior to 1914 to be realised. Discontinuous processes should be centralised in one factory by groups of associated manufacturers, so that their staffs might be liberated for the solution of other problems. Working under such conditions would result in reducing the cost of production.

Wolverhampton.—A meeting of the Wolverhampton Chemists' Association was held on October 16, when it was decided to close on Mondays, Tuesdays, and Wednesdays at 7.30 P.M., Thursdays at 1, Fridays at 8, and Saturdays at 8.30 P.M. from October 28. It was resolved to decline to sell Elliman's Embrocation, after any present stocks are exhausted, until the embargo is removed. The report of the Face Value Committee was approved and adopted. It was decided to print the Minimum-price List in full every month instead of issuing monthly additions to an annual list. It was resolved to open a subscription-list on behalf of the War Auxiliary Benevolent Fund.—Miss H. M. Jones has won the Chemistry Prize and Miss M. G. Lane the Botany Prize awarded by the Association to the best Technical School students in the respective subjects.

Trade Report.

42 Cannon Street, E.C. 4, October 31, 3 p.m.

The conclave of the Allies at Versailles dominates the business situation at the moment, and buying is limited strictly to minimum requirements. The policy of reducing stocks where possible is likely to be pursued for some time to come, while speculation has petered out for the moment. Consequently there has been an easier tone in menthol, oil of Japan mint, Japanese refined camphor, and star anise oil. Eucalyptus oil is, however, a feature of the week, and judging by the demand a heavy and rapid consumption by the public must have taken place. Fair stocks undoubtedly exist, but they are in firm hands and difficult to locate. Speculation is rife as to what price quinine is to be fixed at by the Government, whose dilatory attitude has deprived *bona-fide* buyers who are in need, from obtaining supplies. There is still a keen demand for "influenza" remedies such as aspirin, acetanilide, quinine, phenazone, and sodium salicylate, the latter being prescribed in lieu of aspirin, the scarcity of which, like quinine, is acute. Among fine chemical products which have eased in price are atropine sulphate, barbitone, hydroquinone, and potash sulphoguaiacolate. Other changes include an advance of 8*l*. per ton in boric acid; borax is unchanged. Sulphuric acid has been substantially advanced by the Minister of Munitions; sulphur is rather dearer, and sodium hyposulphite cheaper. Drugs and spices are quiet, pepper and cloves being lower. Buchu is dearer. Clove oil is cheaper in second-hands. Arrivals of chemicals and drugs have been extremely small for several weeks past, and export licences for drugs are very few and limited as regards quantity.

Higher	Firmer	Easier	Lower
Boric acid Buchu Eucalyptus oil Honey Sulphur Sulphuric acid	Farina	Anise oil, star Atropine sulph. Barbitone Caffeine Camphor (Jap. ref. slabs) Cassia lignea Hydroquinone Menthol Mint oil (Jap.) Pimento Potash sulphoguaiacolate Saccharin	Clove oil Cloves Pepper Soda hyposulphite (ord.)

Cablegram.

New York, October 31.—Business is fair. Menthol is lower at $5.50. Sweet oil of birch has been advanced to $3.50. Senega is dearer at 95c., and balsam Canada at $7.00 per Amer. gal. Buchu has advanced to $2.50 for long and short. Codeine alkaloid is dearer at $11.25 and sulphate at $9.00 per oz.

Agar-agar is quiet, with sellers of No. 1 Kobe strip at 3*s*. 6*d*. per lb. on the spot.

Aloes.—The exports from the Union of South Africa during July 1918 amounted to 38,972 lb., valued at 365*l*., against 95,305 lb., valued at 943*l*., in 1917. During the seven months ended July 31 the exports were 251,961 lb. (2,538*l*.), against 244,653 lb. (2,431*l*.) for the corresponding period of 1917.

Amidol.—A new English make of reliable quality has been placed on the market, and is selling at from 22*s*. to 22*s*. 6*d*. per lb. in small lots.

Anise Oil (Star) is quiet, with spot sales of "Red Ship" brand at 6*s*. 4½*d*. per lb., and to arrive September-November shipment is quoted at 6*s*. 3*d*. c.i.f.

Antimony.—There is no sign of a revival of business in Chinese crude, of which there is really nothing offering, so that the market is purely nominal at about 67*l*. Small lots of foreign regulus have been sold up to 80*l*., but there are still sellers near 75*l*., the demand being slow. The official price of English at 85*l*. seems absurdly high, and the possibility of an adjustment soon is now talked about. The United States imports of antimony during the first half of this year were 5,194 tons, compared with 8,369 tons in the same period last year.

Arsenic.—There is not much moving here, the demand remaining subdued, buyers being shy under present war and political influences, although offers to sell are not pressing. A few lots of Japanese have been on offer at 95*l*. Quotations for best Cornish powder range from about 96*l*. to 98*l*. per ton delivered London.

Aspirin is still very scarce at from 17*s*. to 17*s*. 6*d*. per lb., and the quantities available from English makers are very much smaller than expected, and many people are disappointed at being unable to obtain delivery ex contract.

Atropine Sulphate is a trifle easier, dealers offering at 130*s*. per oz.

Barbitone has a downward tendency at 90*s*. per lb. on the spot.

Boric Acid has been advanced 8*l*. per ton, the quotation for commercial quality of crystal, granulated or small flaked being 80*l*. per ton, and powdered 82*l*.; extra fine texture is 84*l*., and paillette (large flaked) is 93*l*.; B.P. crystal, extra refined guaranteed, 90*l*.; powdered, 94*l*.; extra fine texture, 95*l*.; and XXX preservative, 110*l*. per ton. Packages are surcharged as follows: 2-cwt. bags, free; 1-cwt. ditto, 10*s*. per ton; 6-7-cwt. casks, 2*l*.; 5-cwt. ditto, 3*l*.; 2 to 4 cwt. ditto, 4*l*.; and 1-cwt. kegs, 6*l*. per ton. *Borax* is unchanged at 44*l*. for B.P. crystals and 45*l*. for powder; commercial crystals 42*l*. and powder 43*l*. per ton.

Bromides.—There is still very little call for the salts, and prices are practically unchanged, with Japanese potassium offering at from 7*s*. 9*d*. to 8*s*. 3*d*.; sodium is about 5*s*. 3*d*. and ammonium 7*s*. 6*d*. There is, of course, little available at the Government fixed prices of 6*s*. 4*d*. for potash and 5*s*. for ammonium.

Buchu is still very scarce, and holders are asking the higher prices of 7*s*. for round and 6*s*. 9*d*. per lb. for ovals. The exports from the Union of South Africa during July 1918 were *nil*, compared with 20,028 lb. (3,293*l*.) in July 1917. During the seven months ended July 31, 1918, the exports were 61,076 lb. (10,088*l*.), against 119,007 lb. (19,348*l*.) for the corresponding period of 1917.

Cadmium.—The tone is steady at 8*s*. 6*d*. to 9*s*. per lb., with a fair demand. Current supplies are only moderate.

Caffeine is easier, with sales of B.P. pure at 45*s*. per lb. on the spot.

Calumba.—Small sales have been made, ex recent arrivals, at 375*s*. per cwt. on the spot.

Camphor (Refined).—The demand for Japanese has fallen off, and price of 2½-lb. slabs is easier, with spot sales at 6*s*. 1½*d*. per lb.; for ¼-oz. tablets 7*s*. is asked.

Camphor Oil.—Although a further 460 cases have arrived, price is unchanged at 160*s*. per cwt. on the spot. Loss from leakage continues heavy.

Cascara Sagrada.—Spot supplies are held for 220*s*. per cwt.

Cassia Lignea is easier, whole selected offering at 135*s*. and broken at 130*s*. on the spot.

Chloral Hydrate.—The imports of chloral hydrate into the United Kingdom during the past five years have been as follows:

From	1913 Lb.	1914 Lb.	1915 Lb.	1916 Lb.	1917 Lb.
Germany	19,994	12,099	—	—	—
Switzerland	2,295	112	1,568	7,932	1,707
United States	288	14,491	49,335	52,611	39,090
Other Foreign Countries ...	924	594	5	4	215
Total from Foreign Countries	23,501	27,296	50,908	60,550	41,012
Total from Brit. Possessions	—	—	429	—	1
Total	23,501	27,296	51,337	60,550	41,013
Value	£2,080	£2,849	£11,079	£27,298	£13,059

The re-exports were:

To	1913 Lb.	1914 Lb.	1915 Lb.	1916. Lb.	1917 Lb.
Russia	—	700	11,672	20,081	1,600
Other Foreign Countries ...	1,083	308	1,920	164	2,459
Total to Foreign Countries ...	1,083	1,008	13,592	20,245	4,059
Total to British Possessions...	2,187	711	1,219	3,384	1,215
Total...	3,270	1,719	14,811	23,629	6,174

Cinchonine Salts are in good demand. Sulphate is offered at 1*s*. 5*d*. and hydrochloride at 1*s*. 9*d*. Cinchonidine sulphate is 2*s*. 3*d*. per oz., all less 5 per cent., *plus* war risk.

Citric Acid shows little demand at the moment, but prices are firm at from 4*s*. 9*d*. to 5*s*. per lb.

Clove Oil is cheaper at from 22*s*. to 23*s*. per lb.

Cloves have declined a further 3*d*. per lb., closing with sellers of fair Zanzibar at 2*s*. 3*d*. per lb. on the spot.

COCAINE.—The imports of cocaine and cocaine salts into the United Kingdom during the past five years have been as follows:

From	1913 Oz.	1914 Oz.	1915 Oz.	1916 Oz.	1917 Oz.
United States of America ...	200	1,000	28,662	11,314	6,851
Peru	19,277	800	8,020	28,890	9,216
Other Foreign Countries ...	31,399	23,137	29,321	15,210	4,517
Total from Foreign Countries	50,976	24,937	65,003	54,414	20,584
Total from Brit. Possessions	4,370	3,543	600	500	—
Total	55,346	28,480	66,603	55,914	20,584

The exports of cocaine and cocaine salts (declared as British-made) from the United Kingdom during the past five years have been as follows:

	1913 Oz.	1914 Oz.	1915 Oz.	1916 Oz.	1917 Oz.
Total to Foreign Countries...	300	2,466	16,175	7,320	526
Total to British Possessions	3,054	1,630	1,472	327	724
Total	3,354	4,096	17,647	7,647	1,250

The re-exports of foreign make were as follows:

To	1913 Oz.	1914 Oz.	1915 Oz.	1916 Oz.	1917 Oz.
Russia	—	—	1,736	4,253	1,000
Germany	20,152	10,756	—	—	—
France	—	—	3,315	19,882	7,271
United States of America ...	1,000	—	—	7,254	—
Other Foreign Countries ...	—	500	2,681	500	—
Total to Foreign Countries...	21,152	11,256	7,742	31,889	8,271
Total to British Possessions	2,496	740	402	2,764	818
Total	23,648	11,996	8,144	34,653	9,089

EUCALYPTUS OIL has been in quite lively demand, the so-called Spanish influenza having holped matters considerably, much to the satisfaction of the operators from the Baltic, who were responsible for the recent drive in prices. Although there must be fair supplies on the spot, it is difficult to locate them; current prices at which business has been done are from 3*s.* 9*d.* to 4*s.* 1½*d.* per lb., as to test.

FARINA is firmer, with sales at 86*s.* to 87*s.* for No. 1 Japanese on the spot, and at 85*s.* c.i.f. for December-February shipment. Sweet-potato flour is unchanged at 80*s.* to 81*s.* c.i.f. for October-December shipment.

GALLIC ACID.—After a lengthy period of quiescence the demand is reviving, and the market is firm at about 6*s.* 9*d.* for pure.

GUAIACOL CARBONATE has been in brisk demand for export, and some large quantities have been placed; current prices are from 85*s.* to 90*s.* per lb. on spot.

HEXAMINE has arrived more freely, and will probably continue to do so in the near future; prices are about from 7*s.* to 7*s.* 6*d.* per lb.

HONEY continues very scarce, spot value of Cuban in casks being from 220*s.* to 235*s.*, and Californian light amber 250*s.* Since the auction last week second-hand sales of Jamaica have been made up to 280*s.* per cwt.

HYDROQUINONE is a trifle easier at 16*s.* 6*d.* per lb. on the spot.

MENTHOL is quiet, with sellers of Kobayashi-Suzuki on the spot at 20*s.* per lb.

METHYL SALICYLATE.—Stocks are being rapidly reduced, and from 6*s.* 6*d.* to 7*s.* per lb. is easily obtainable for spot parcels.

MILK-SUGAR can still be bought at 3*s.* 6*d.* per lb.

MINT OIL.—Japanese dementholised is quiet, with sellers of Kobayashi-Suzuki at 7*s.* per lb. on the spot, and at 6*s.* 7½*d.* c.i.f. to arrive.

NOVOCAIN is in regular demand, and selling at 42*s.* 6*d.* per oz.

OXALIC ACID is offered on the spot at 1*s.* 4½*d.* per lb. in casks.

PEPPER is lower, black Singapore having declined 1*d.* per lb., with sellers of fair on the spot at 1*s.* 8*d.*; fair Tellicherry is offered at 1*s.* 10*d.* and fair Aleppy at 1*s.* 9½*d.* spot. *White* is also 2*d.* down, Muntok offering at 3*s.* 4*d.* and Singapore at 3*s.* 4½*d.* on the spot.

PHENACETIN is unchanged at 17*s.* 6*d.* per lb. Stocks are moving off more freely, but there is plenty for all requirements.

PHENAZONE seems to have been freely prescribed for "influenza" in this country. Consequently there has been a very brisk demand, and probably more has been sold this week than during any previous period. Stocks are getting low, and sales have been made at 55*s.* per lb.

PHENOLPHTHALEIN is on the easy side at from 40*s.* to 42*s.* 6*d.* per lb.

PIMENTO is easier, with spot sales of fair at 7*d.* to 6¾*d.* per lb.

POTASH IODIDE.—The exports from Japan during July amounted to 15,756 kin, valued at 91,742 yen. During the seven months ended July 31 the shipments were as follows:

	1916	1917	1918
Kin	107,706	81,274	116,107
Yen	803,463	498,318	716,887

Of *crude iodine* 3,848 kin, valued at 22,678 yen, were exported during July, and the exports for the seven months ended July 31 were:

	1916	1917	1918
Kin	906	15,025	46,431
Yen	5,432	121,768	289,415

POTASH SULPHOGUAIACOLATE.—Demand for home consumption has fallen off, which is somewhat surprising, and the price is easier at 80*s.* per lb.

PYROGALLIC ACID is very firm at the prices quoted last week.

QUICKSILVER.—Thanks to the abnormally high prices ruling the American output appears to be fairly satisfactorily maintained, although the official returns issued for the first half of this year disclosed some set-back. The actual figures were 17,576 bottles, comparing with 35,954 bottles for the whole of 1917. The comparison with years further back is very striking; the output in the year previous to the beginning of the war was only 20,213 bottles. It decreased further to 16,550 bottles in 1914, recovering to 21,033 bottles in 1915, and to close upon 30,000 bottles in 1916. Operations this year have been to some extent affected by labour scarcity, while it is also probable that the forced extraction of high-grade ores at high prices has led to the supply of these falling off. As is well known, a number of old mines are practically in a state of exhaustion, but efforts are now being made to resume operations in some old properties. Exploration or development work hold out no sanguine hopes at present, or until more labour is available.

QUINIDINE SULPHATE is selling at 2*s.* 6*d.* per oz., less 5 per cent.

QUININE.—With the continued acute shortage, quite retail lots of sulphate have been selling at from 6*s.* 6*d.* to 7*s.* per oz. net. Some of the large consignments are about landing, and if release is made according to expectation the demand should be fairly well covered for the time being.

SACCHARIN is very quiet, and the tendency of the imported product is easier at about 250*s.* per lb., or perhaps a trifle less, duty not paid. There are, of course, odd parcels offering at below this figure.

SALICYLATES.—Salicylic acid is unchanged on the spot at from 4*s.* 3*d.* to 4*s.* 6*d.* per lb. Sodium salicylate has been in brisk demand for "influenza" owing to the shortage of aspirin. Fortunately there is a good stock of soda sal., which is offered at from 5*s.* 9*d.* to 6*s.*

SHELLAC is extremely quiet, with the usual standard TN Orange quality offering at 335*s.*, fine Orange at 360*s.*, blocky AC Garnet at 320*s.*, and pure button at 342*s.* 6*d.* on the spot.

SODIUM HYPOSULPHITE.—Ordinary in bags is offered at the lower rate of 38*l.* per ton, and pea-crystal is 45*l.*

SODIUM PHOSPHATE.—Technical crystals (97 to 100 per cent.) can be had at 90*l.* per ton in casks for forward delivery.

SUGAR.—It is quite anticipated that the Sugar Commission will remain in control of the market throughout 1919, even should hostilities cease, as the International Sugar Committee have contracted to purchase the entire Cuban crop of 1919—about 3,500,000 tons—at 5.88 cents per lb. (=27*s.* 8*d.* per cwt.) c. and f. New York, or 6.89 cents (=32*s.* 4*d.*), duty paid, based on a freight-rate of 38½ cents Northern ports. The price for the United Kingdom, France, Italy, and Canada will be 550 cents (=25*s.* 10½*d.*) f.o.b. Northern ports and 5.45 cents Southern ports.

SULPHUR.—The Government fixed prices in 5-ton lots are: flowers of sulphur, 28*l.* 15*s.*; roll brimstone, 22*l.* 10*s.*; and thirds, 17*l.* 15*s.* per ton. Dealers' prices are 1*l.* higher at 33*l.* to 34*l.* for flowers and 28*l.* for roll.

SULPHURIC ACID.—The prices as fixed by the Minister of Munitions (see p. 33) show a substantial advance all round, and should be compared with those given in our issue of May 18, 1918 (p. 33).

TARTARIC ACID is firm but quiet at 3*s.* 11*d.* for crystals and 3*s.* 10*d.* for powder.

WAX, VEGETABLE.—The exports from Japan during July amounted to 847,246 kin, valued at 283,204 yen. During the seven months ended July 31 they were as follows:

	1916	1917	1918
Kin	3,158,023	2,484,237	5,298,780
Yen	867,293	790,775	1,684,837

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Rubber-seed Oil.

The Director of Agriculture, Federated Malay States, in his annual report for 1917 has an interesting note regarding the potentialities of rubber-seed, in the course of which he states that a full report has not been received from Rose, Downs & Thompson on the shipment of rubber-seed sent them towards the end of 1917. The oil has, however, been extracted and fetched 50*l.* per ton, with linseed oil in the neighbourhood of 60*l.* per ton. This must be considered very satisfactory for a solitary sale of a practically unknown product. Experiments on the keeping qualities of rubber-seed have been concluded and a report submitted; this is in course of publication. Seed properly dried and stored in Malaya showed no deterioration as regards oil-content over the period of the experiment.

United States Imports and Exports.

The revision and extension of the statistical classification of imports into and exports from the United States have been undertaken by the Bureau of Foreign and Domestic Commerce, which have invited trade organisations and individual importers and exporters to furnish suggestions for improvement in the classification that will make the statistics more helpful for trade-promotion purposes. Recommendations for new classes not now shown separately or for a more detailed subdivision of the present classification, as well as suggestions regarding the form of publication, are to be carefully considered and adopted if practicable. The immediate object of the more detailed classification that is contemplated is to furnish accurate information for the use of the Tariff Commission, the Food Administration, and the War Trade, Shipping, and other War Boards in carrying on their work of licensing imports and exports, and of taking measures for conserving tonnage, foodstuffs, and raw materials essential in carrying on the war.

The Bureau state that they desire to make the statistics of the largest possible permanent value in their work of promoting foreign commerce after the war. The more extended use of statistics for commercial instead of purely legislative purposes was the moving factor in causing the transfer in 1903 of the work of collecting and publishing foreign trade statistics from the Treasury Department to the newly-created Department of Commerce and Labour. Since this work has been in charge of the Bureau of Foreign and Domestic Commerce an extensive educational campaign has been carried on to induce business men to study the statistics in planning extension of foreign markets. The classification has been amplified from time to time in order to meet the increasing needs of commercial interests for this purpose. The new export regulations and standardised form of export declarations put into effect in the early part of 1916 have resulted in a marked improvement in the completeness and accuracy of the export statistics. A standardised form of import entry, which is expected to simplify the collection of import statistics, was prescribed a few months ago by the Treasury Department. It is intended, if possible, to put the extended classification into effect for the fiscal year beginning with July 1, 1918.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the Ports of London and Liverpool:

To London
(October 19 to 25).
Chemicals, etc., unrated, 403 brls.
Alum, 528 hgs.
Arsenic, 51 cwt. 15 cs.
Aspirin, 6 hrls.
Cinchonine muriate, 3 cs.
Cobalt oxide, 18 brls.
Cream of tartar, 16 cks. 29 cs.
Potash bromide, 10 cs.
Potash carbonate, 200 pkgs. 277 cs.
Salicylic acid, 10 cs.
Dental goods, 1,474*l.*
Drugs, etc., unrated, 519*l.* 35 pkgs.
Anise oil, star, 100 cs.
Camphor oil, 650 cs.
Eucalyptus oil, 560 cs.
Menthol, 38 cs.
Nux vomica, 823 pockets
Safrol, 100 cs.
Dyestuffs, tanning and dyeing materials, etc., unrated, 20 hrls.; myrobalans, 13,142 pockets
Gelatine, 632*l.*
Loofahs, 1,087*l.*
Perfumery (mostly raw materials), unrated, 1,909*l.*; toilet-powder, 968*l.*
Plumbago, 24 cks.
Soap, toilet, 1,664*l.*
Starches (cwt.): farina (potato starch), 6,927
Talc, 1,064*l.*
Wax, fish, 80 bgs.
Wax, paraffin, 255 cwt.; scale, 559 cwt.
Wax, vegetable, 313 cs.
Zinc oxide, 30 cs. 343 hrls.

To Liverpool
(October 21 to 26).
Chemicals, etc.:
Arsenic, 69 cs. 100 brls. 50 hxs.
Calcium borate, 6,505 hgs.
Cream of tartar, 60 cks. 98 bgs.
Iodine, 1,461 kgs.
Thorium nitrate, 90 cs.
Drugs, etc.: herbs, 3 cs.
Cassia-bark, 81 bgs. 28 hls.
Cocaine, 4 cs.
Insect-flowers, 6 hls.
Insect-powder, 6 cs.
Menthol, 21 cs.
Quillaia, 443 bls.
Dyestuffs, dyeing and tanning materials: chestnut tanning ext., 3,068 hgs.; logwood ext., 150 cks.; myrobalans, 1,920 hgs.; quebracho tanning ext., 10,874 bgs
Fullers' earth, 380 bgs.
Lithopone, 380 hrls.
Plumbago, 30 cks. and 35 cwt.
Starches (bags): dextrin, 432; farina, 3,296; wheat, 500
Wax, bees', 54 bgs.
Wax, paraffin, 179 hrls. 254 bgs.; scale, 2,146 hrls.
Wax, vegetable, 825 cs. 187 pkgs.
Zinc oxide, 10 cs.

Correspondence

Whitley Councils.

Sir,—Allow me to thank you for your timely editorial on a Whitley Drug Council, especially so as many appear to be confused on the matter. In the memoranda quoted from Mr. Glyn-Jones's speech at the North London Pharmacists' Association there is only one item which directly affects the retail, and this is well within the purview of the Council of the Society—I refer to "technical training and scientific research." The other points refer to the trade as a whole, not sections. I approach this question from the side of the employed, and am aware of many questions which Mr. Glyn-Jones never mentioned. On our part we have to consider qualified pharmacists, retail and public services, the unqualified, together with all the employés in the drug and chemical trades, distributors or manufacturers. It is important that this should not be lost sight of, since there is an Amalgamated Union of Employés already in existence, and the component sections must necessarily have some authoritative body with which to negotiate in order to protect our fighting brothers when they come back to civil life. I have Mr. Glyn-Jones's assurance that when he comes to deal with the question he will not forget the side which I have mentioned above; but, whatever is the outcome, there can never be a Joint Whitley Council solely confined to the Pharmaceutical Society.

Yours truly,
Highgate, N. 6. Herbert Skinner.

Sir,—A Whitley Council is the very thing we want in the drug-trade, to include masters, men, women, wholesalers, warehousemen, and clerks, along with the Drug Club and the Pharmaceutical Society. Your leader is an eye-opening indictment of the Society. Mr. Glyn-Jones is the mystery-man of the drug-trade: he has changed so much since the old days when he started the Proprietary Articles Trade Association and criticised most bitterly the wrong methods of the Pharmaceutical Council—methods which still continue, but which now receive his blessing. It won't do in 1918; and I say without hesitation that the feeling of many thousand chemists will be disappointment if the old policy is followed. The old clique must go, simply because it is obstructing progress. If your view of the Whitley Council is right, and all the various bodies connected with the retail drug-trade are represented, then the Pharmaceutical Council will only be one voice among the crowd of Associations like the Apothecaries' Hall and public dispensers, Army compounders, etc.; whereas the Pharmaceutical Society with a broad outlook might have been actually the major part of that Whitley Council. We are all too busy to get up another Society to represent the commercial section of the retail drug-trade. Our trade has always been shaped and moulded from the outside, as witness Boots, Ltd., National Insurance, the Venereal Disease Act, the great war, and the coming Health Ministry, all of which have influenced our trade. The Pharmaceutical Society policy is slowly and surely reducing the numbers of the private chemists' shops. We were 10,000 about 1900, according to Kelly's Directory, now we are (I suggest) well under 9,000; and whenever the munition money stops and the trade in perfumes, face-powder, and sundries comes to reasonable proportions, 1,000 shops will come at once on the market, and three-quarters of them will simply be closed for want of buyers. By 1940, I hope, we shall be down to 5,000 big drug-shops, each turning over 5,000*l.* a year, and we need not worry then if there is a dispensary and a venereal clinic in every street and every baby clinic is doling out proprietary foods to those people who have ailing babies. When all these vexed questions have been settled "Midlander" and others will find company salaries keeping ahead, as they were in 1890. To-day every employer (and the big company in particular) has safeguarded himself against the lack of business knowledge or aptitude of many of his managers by making his business almost fool-proof, so that there is very little "managing" in it in 1918. Men of exceptional ability will always get a high wage, but really there must be a limit even for them. If ambitious men want the income of an owner why not become owners? There are plenty of businesses about; and for those men whose ability and saving power are known, their borrowing power is well over 1,000*l.* for each such man. There are certain ways of impressing even big company directors with the fact that you look after their interests. For instance, I have seen electric-light accounts cut down from 60*l.* to 30*l.*, and yet the trade went

ahead; and I have seen fifty electric lights burning at mid-day where ten would do, and thirty blazing in a shop empty of customers near closing-time for thirty minutes, where five lights would do. I have seen eight 2-oz. packets of cream of tartar weigh collectively over 19 oz., a clear waste of 3 oz. to the pound. Think of the year's waste in packing up three or four tons of various drugs. And the door locked promptly to the minute, but not opened quite so promptly next morning. Fifteen minutes' trade lost for 300 days a year means something, especially at night, in working-class towns. It all comes easy to me now, but I had never thought of these things until I went to work for a big drug company. Take the hint, boys: efficiency pays.

JAY MACK.

How Advertising Helps.

SIR,—In reply to Mr. Nathan, I should like to say that I have been among the 10,000 articles for thirty-one years, and live by them. I have an effective stock system that tells me what stock moves and what hangs back; and that I would not remain in the retail drug-trade if I had to depend on profits earned by proprietary articles. Mr. Nathan does not reply to the point of my letter, that the trade in advertised articles appertaining to chemists' business is far too heavily subdivided. It is not inter-competition among chemists that spoils the business, nor is it primarily a question of profit margin, as to which there are both satisfactory and unsatisfactory articles. The evil is the outside competition of other traders. If all the chemists of a town sell the same branded article it is brought to the notice of everyone in the town, and a strong selling effort results with cumulative effect. But the advent of another trade into the line means reaching the same customers, and providing them with an unnecessary alternative source for the goods. This means a division of business, in which the retailer and not the proprietor is hit. And "an effective stock system" will show when it is hit, and the intelligence of the operator will give the reason. The reply of "Pestle" is far more interesting from my standpoint. He is at present doing a satisfactory Glaxo business, but what element of dependableness is there in it? He has done the salesman part, and Mr. Nathan's letter gives the salesman a place in the system of sales. But once the business is there the grocer and dairyman, who have not helped to the same extent to create it, can obtain stocks and do a portion of "Pestle's" share. When this has occurred the fact that "Pestle" stocks and recommends keeps the article moving for his rivals in other branches of business. I am not referring to one article only but to a broad tendency, which anyone can observe for himself, particularly in smaller shopping centres, where threads of business are more easily distinguished. I could illustrate my point by more than one article or range of articles; but since Glaxo has been mentioned, here is my experience with Glaxo. The line was selling fairly well. I was not buying exactly quarter-dozens, neither was I buying any considerable stock. Sometimes a customer had to take another size to carry on, but I was not disappointing anybody. The "effective stock register" (I thank Mr. Nathan for that name) indicated that a larger parcel would be a convenience, so I bought a maker's lot. Two things happened, the first of which was probably unavoidable. The article had advanced in price, and now compared differently with our ample local supplies of new milk. The second was that a large firm of grocers followed up the evidences of what seemed to be business going on in their neighbourhood, a firm serving very largely the same customers as myself. This is where the "effective stock register" came in. The Glaxo curve went to little above zero. Ultimately I cleared the parcel through trade sources. I am now buying Glaxo in small lots again, and I feel that it is an article more likely to be remunerative if I do not show any great amount of it. Now Glaxo is a good article and worth selling, but when I really try to sell it an avoidable climax is put upon an unavoidable check. I am open to take advice from anybody who seems reasonably qualified to give it. What would Mr. Pestle do in such a position, or what will he do if placed in such a position? It is my firm belief that the best interests of chemists are served by pushing lines that outside competition cannot follow up, and that the future of the trade depends upon united effort being directed to the provision of such lines not necessarily unadvertised.—Yours faithfully,

MORTAR. (212/54.)

Publicity Profit on Proprietaries.

SIR,—Though entirely outside my ordinary profession and dealings, I have lately become interested in, and as soon as practicable intend to market, a proprietary article. The letter of "Mortar" (*C. & D.*, October 19, p. 51) tends to confirm ideas which have suggested themselves in this connection, though, from lack of experience of the conditions which regulate the action of chemists, I only put them forward with diffidence, and subject to correction by those who are better informed. The greater part of the price of proprietaries is constituted by the selling costs, and the selling costs are chiefly the cost of publicity. It is largely in the power of the chemist, as retailer, to push or abstain from pushing a preparation. He is the point of contact with the purchasing public. Ordinarily he does not push a preparation (not his own), for the sufficient reason that he is not paid to do so. The normal course is for the proprietary owner, by expensive advertising, to create the demand, and for the chemist to supply it. In such case the chemist, not influencing demand, receives merely the normal remuneration for the function of supply. Now, if the chemist is to be asked to influence demand, he must be paid for his services. In principle there would seem no reason why the retailer, for the service of publicity, should not attract to himself some of the reward which otherwise goes to the advertising medium. In my own case I should very much like to try the experiment, and interest the chemists by an extra, or publicity, discount over and above the normal discount. It is, of course, assumed that the article is one he can conscientiously recommend. Perhaps some of your readers will explain how far these suggestions are consistent with existing conditions in the trade, and also give some idea of the margin of profit which would be required to secure the chemists' friendly interest.—Yours faithfully,

KAPPA. (25/10.)

An Act of Justice.

SIR,—I note in the discussion on the new Insurance terms for 1919 it is stated that the present cost of drugs amounts to not more than 1*s.* 3*d.* per head per insured person, therefore there is a surplus amount of 3*d.* per head over and above the sum required to pay the drug-bill for the current year. Consequently that sum will be available for other purposes. I am writing, therefore, to urge the Local Associations Executive to take into serious consideration an application to the Insurance Commissioners on behalf of those areas which suffered such a serious discounting in the years 1913 and 1914. I was in business at that time in an area which was discounted at the full rate of 15 per cent. for each of the two years mentioned, and when I say my own loss for that period is no less a sum than 350*l.* it will be seen that the matter is a very serious one indeed. That I and others, who happened to carry on business in an area where the doctors were notoriously "out to wreck the Act," should have to submit to such a loss, while those in many other areas where the doctors were more reasonably inclined were paid in full seems hardly fair. It may be pointed out that we signed a receipt accepting payment subject to the above discount, which is true, but in every case I believe the signing was done under protest, and in many cases a very strong protest. Now that the Drug Fund is in a healthier condition it seems to me reasonable that those who suffered such heavy discounting in 1913 and 1914 should have their just accounts paid in full, especially so as in no case were we responsible for the excessive charges on the Drug Fund. Our fault lay, if fault it be, in trying to carry out our obligations under the Act and our contract with the Commissioners to the very best of our ability. I urge, therefore, the Executive to take this matter up with the National Health Insurance Commissioners forthwith, and I trust others who have suffered in like manner will write and urge the same consideration on the Executive. It will be conceded only if we make a bold and determined stand on the matter, but we have surely learned during these past years that we can do something—although we may be a "feeble folk"—by combination and determination.

Yours faithfully,

Caversham. W. H. DELVE.

Assay of Saccharin Tablets.

SIR,—Your leader on saccharin-tablets analysis (*C. & D.*, October 26, p. 43) should be useful to the wholesale trade, but it is rather doubtful if the methods set forth are not too complicated for the purposes of the small retailer. To him I can recommend a very simple test that I have found sufficiently sensitive to distinguish a tablet that is of the strength claimed from one that is not.

Dissolve a full-strength control tablet in an 8-oz. bottle of water and shake well when solution is effected. Similarly dissolve a tablet to be tested and judge of the relative sweetness. If the tablet is ¼ gr. 330, a 4-oz. solution should be made.

This method, if not very scientific, answers the purpose very well, it being surprising how three or four persons will agree as to the relative sweetness of the solutions. I would hesitate to trouble you were it not that this is so simple and obvious a check on the large business in these tablets.

Yours faithfully,

Ripley, Derby. W. S. WAIN.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Coloured Methylated Spirit.

Free Stater (154/60) writes regarding the introduction of coloured methylated spirit into this country that he had a sorry experience of this article in South Africa some years ago. The addition of the dye added several pence per gallon to the cost of the spirit, gave a slight smoke to the flame, made an abominable mess of the wicks of spirit-lamps, and all round was an intolerable nuisance to both dealers and users of the spirit.

Lemon Jam a By-product.

"Most pharmacists have from time to time the bodies of lemons from which the peel has been removed to use in the preparation of tincture or essence. These may be utilised in the production of a very palatable and wholesome jam. Remove the white pith from the exterior, cut the body into thin sections, cover with water, and boil till quite soft. Towards the completion of the boiling add for every six lemons of good size about 2½ to 3 drachms of potassium bicarbonate, stirring until the generated carbonic anhydride has been dissipated. Pass the liquor and pulp through a fine colander, and to every pint add 1 lb. of sugar and boil slowly for twenty minutes or so, stirring in sharply before removal from the fire two or three drops of terpeneless oil of lemon."—(27/10.)

Peat and Alcohol.

"The appointment by Mr. Walter Long of a Committee to inquire into sources of alcohol supply other than material used for food directs attention to the possibilities lying dormant in our Highland peat bogs. Peat is much used as a fuel, but the season is now too far gone to allow of it being used to relieve the coal shortage. Sir William Ramsay investigated peat some years ago as a possible source of alcohol, and found that he could produce 36 gals. of alcohol fit for motor power from 1 ton of peat. Surely, then, we have unbounded scope for the production of alcohol suitable for industry quite apart from food sources. The cost of production then was 10*d.* per gal. Germany drives her submarines on peat coke and obtains tar from peat, as also lubricating materials and fertilisers. She uses to the utmost what we disdain. In Michigan a superior brown paper is made from peat at a cost of 2*l.* per ton, while Sweden and Bavaria use it for paper-making also. Chemically treated peat produces paraffin, creosote, wax, aniline, sugar, and sulphate of ammonia. In the problem of reconstruction it is to be hoped that our Government will not lose sight of peat as a vast source of national wealth and rural industry."—*Hugo* (12/9.)

Legal Queries.

E. J. (2/10).—Drugs for the Troops Order.—An American medical man is not a member of His Majesty's Forces, and therefore can obtain most of the drugs mentioned in the Order without difficulty. On the other hand, there is no provision by which a medical man belonging to one of our Allies can purchase cocaine in this country.

J. H. T. (210/51), who is a qualified chemist, but at present partner in a firm of wine-merchants, wishes to know whether he can start a small factory either apart from or in connection with a chemist's shop, and make such preparations as orange-bitters, odd liqueurs, and the like for sale to his firm, and what, if any, licence, he would require for this purpose. He says that some chemists already make and sell such preparations to the wine-trade without having any licence to make sweets. [The preparations which are made without licence in this way must be medicinal preparations. These may be prepared from duty-paid spirits, and sold without licence by duly qualified chemists under the Act of George II.; if they are prepared from wines they may also be sold by registered chemists under a concession granted by the Board of Customs and Excise, subject to certain official conditions to provide against their being used as beverages. In the case of other preparations of the kind referred to by our subscriber they cannot be made for sale or sold without an appropriate Excise licence. If made from spirits with flavouring ingredients, a compounder's licence is necessary. This costs 15*l.* 15*s.* If made as a sweet, a sweets-manufacturer's licence is required, costing 5*l.* 5*s.* The licence to make in either case enables the licensee to sell without further licence, but only in quantities not less than two gallons or one dozen reputed quart bottles at any one time to one person.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

Pulvis (160/26).—Influenza-powder.—This, we believe, is salicin, which is used very largely as a popular remedy for influenza. Powders of 10 or 15 gr. are generally prescribed.

W. F. (196/26).—Gripe-drink.—The dose of liq. ammon. in the recipe you send is too large; you will find 2 dr. sufficient for a horse. We prefer to use ammon. carb. in place of the more volatile liquid. In the directions for administering the remedy to calves and sheep for scour you should mention flour gruel or boiled milk as the medium for the dose.

Neuros (56/25).—Neuritis is inflammation of a nerve or the fibrous sheath of a nerve. The differences between neuritis and neuralgia from a diagnostic point of view are not very marked in some cases, but the relative constancy in the pain, atrophy of the muscles supplied by the affected nerve, and cutaneous anæsthesia indicate neuritis. The treatment adopted is to give aspirin, iodides, and colchicum. If a syphilitic diathesis is suspected mercury perchloride with potassium iodide is employed. The part should be kept warm and massaged frequently.

J. R. (207/39).—(1) Vinegar Substitute.—Tartaric-acid solution will not keep sufficiently well to be sold as a vinegar substitute. Acetic acid, which, however, is too scarce, is the only effective substitute. (2) The scarcity of vinegar is due to the fact that only a small portion of the normal supply is allowed to be manufactured. What is made is rationed on a definite plan.

Manxman (202/8). — Fire-extinguishing Liquid. — The spraying apparatus used by fire-brigades for small outbreaks of fire is supplied with carbonic-acid solution formed by the reaction of sulphuric acid and sodium carbonate.

T. H. F. (211/46).—Mack's Ledger, which embodies a simplified method of bookkeeping for chemists is obtainable for 10*s.* 6*d.* from J. D. Mack-Ivor, Hightown P.O., Crewe.

A. A. S. (Florence) (211/57).—Liquid Dentifrice.—The formula for Odol has not been published. It was not the subject of Letters Patent in this country. The following is an imitation:

Salol	ʒj.
Saccharin	gr. ij.
Oil of peppermint	ʒj.
Oil of anise	♏v.
Oil of fennel	♏v.
Oil of cloves	♏ij.
Oil of cinnamon	♏j.
Simple tincture of benzoin ...	♏x.
Rectified spirit to	℥vj.

Dissolve and filter.

A. M. (199/60).—Effervescing Headache-saline.—To the formula for effervescing caffeine citrate you should add potassium bromide so as to give a dose of 5 gr. It is not advisable to add acetanilide, which is understood to be an ingredient in an American proprietary article of this class.

Acid (212/13).—You cannot make vinegar from whey. The fermentation of whey produces lactic acid, whereas acetic acid is obtained by the vinegar ferment.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Nov. 14, 1868.

The Trials of an Editor.

To the editor of a journal, the classical fable of the Old Man, his Son, and the Ass is impressively significant. Whether he rides a hobby, or allows somebody else to ride one; whether he plays the part of a leader, or that of a supporter, he cannot escape animadversion. Should he attempt to please everybody, he will, probably, please nobody: and unless he has confidence in his own judgment, and sufficient strength of mind to pursue what he believes to be the proper course, undeterred by the well-meant warnings of friends, and the taunts and sneers of enemies, he had better abandon editing, and turn his attention to some lighter work—say stone-breaking, or coal-heaving.

THE FRENCH NATURAL MINERAL WATER.

VICHY-CÉLESTINS

DISORDERS of the LIVER, GOUT, Diabetes, Rheumatism, Gravel, &c.

VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

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FORT-REVIVER

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Luscious, Fresh and British.

A LIQUEUR TONIC
The Stimulant that Sustains

FORT-REVIVER is a most beneficial stimulant and has wonderful fortifying and reviving powers. Its effects are almost instantaneous, and they do not pass away. Those who take it regularly will be taking care of their health as well as consulting their pleasure.

Entirely British Made and Non-alcoholic

Wholesale price to the Trade only.
50/- per case, large size bottles.
36/- „ smaller „

Minimum retail price.
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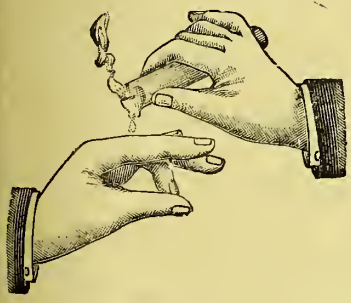

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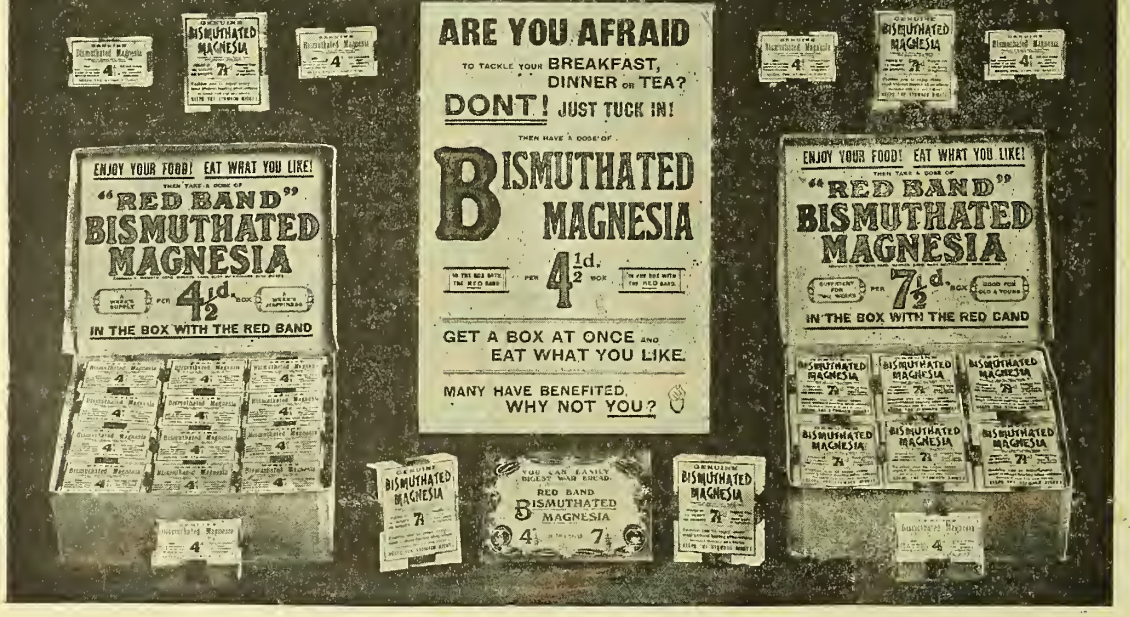

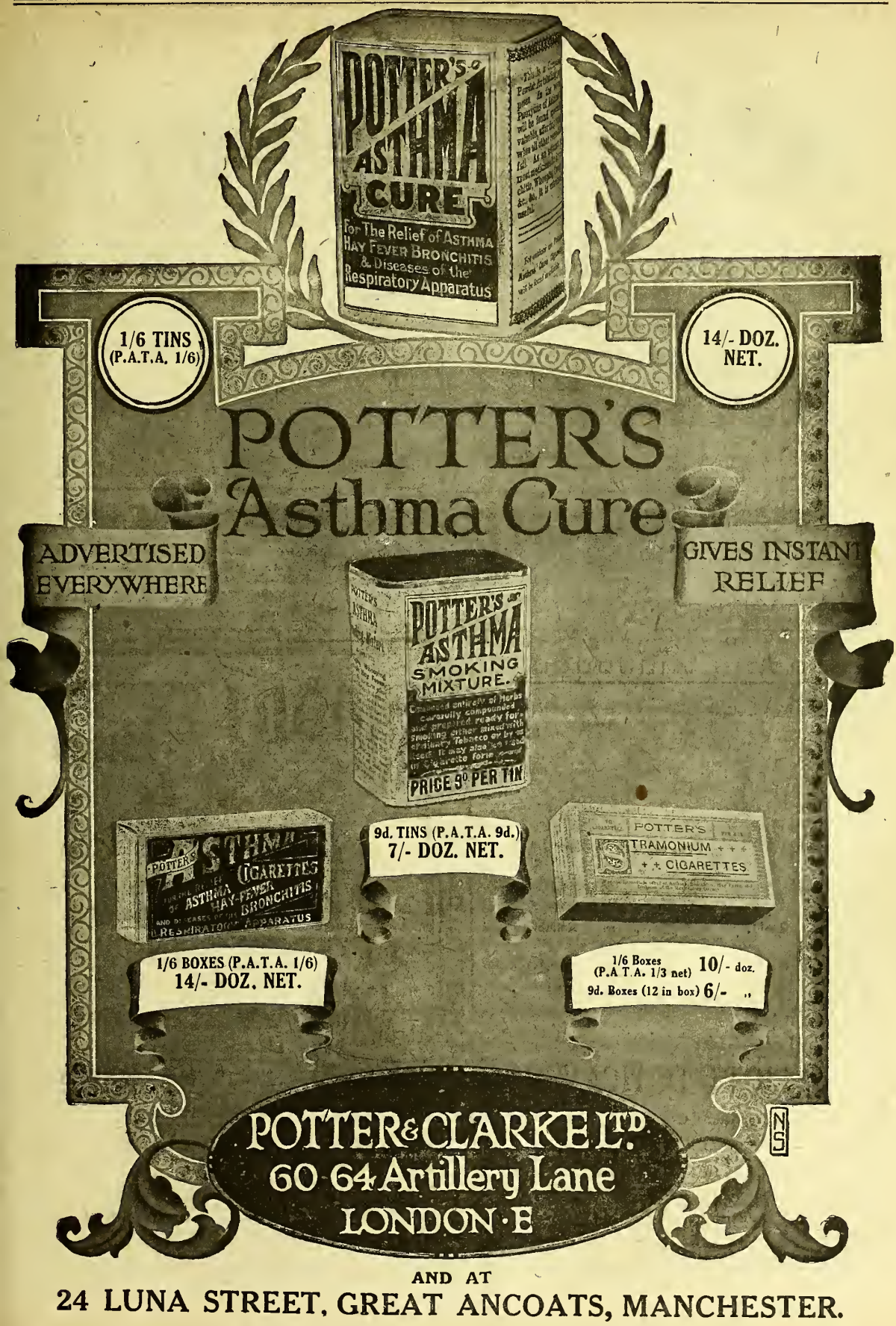
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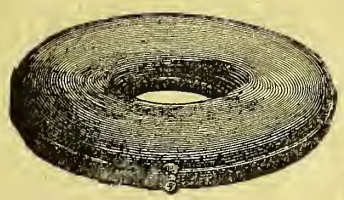

Fig. 1194.

BRITISH MAKE.

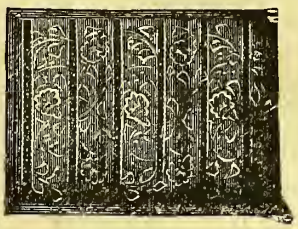

Fig. 1354.

Fig. 1194.—The "**EMPIRE,**" red India-rubber Air Cushion—

Diameter	14	15	16	17	18	19	20 in.
Each ...	7 0	8 0	9 0	10 0	11 0	12 6	14 0

Fig. 1354.—Air Cushion, sateen covered, reeded ... ... Sizes 14×10 | 15×12 | 18×14 in.
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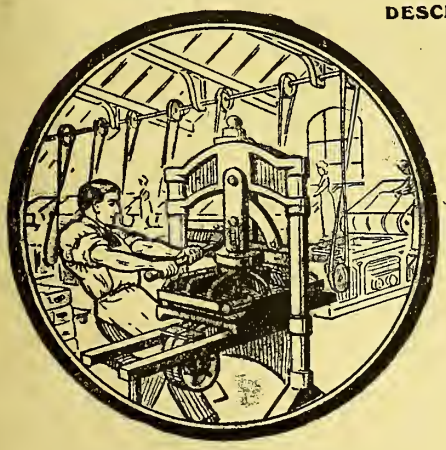

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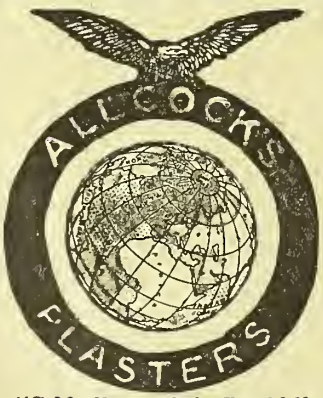

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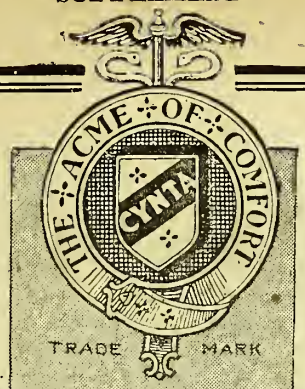

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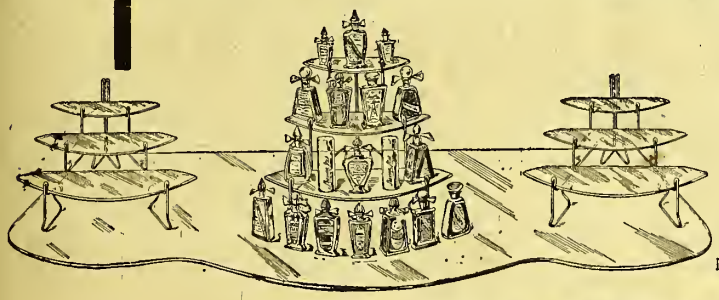

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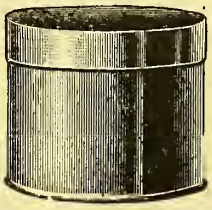

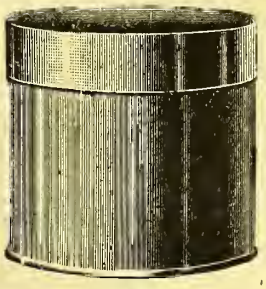

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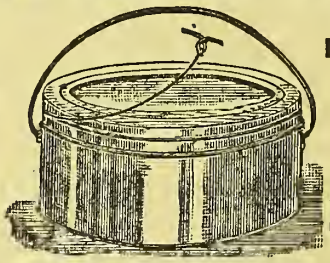

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FOLKESTONE.—Wanted, Dispensing Assistant; accustomed to good-class business. Apply, giving particulars of experience and salary required (outdoors), to Hall & King, West Cliff Pharmacy, Folkestone.

GLOUCESTER.—Lady Assistant required; outdoors; good-class Dispensing and Light Retail; easy hours. State full particulars, with salary, to Ward & Woodman, Gloucester.

HAMPSHIRE (PETERSFIELD).—Wanted (at once), qualified Locum, temporally, during proprietor's illness; good Dispensing business; short hours; apprentices kept. Kindly state if disengaged or when, salary required (outdoors), and reference to Mr. Reid, Chemist, Invertay, Sandringham Road, Petersfield, Hants.

HASTINGS.—Discharged soldier, sailor, or ineligible, with first-class Dispensing and Retail experience, required in Dispensing and Retail business. Kindly state references, salary required, and enclose photograph (vacancy now open), Neve & Co., Proprietor Harold E. Skyrme, 12 Wellington Place, Hastings.

HULL.—Wanted, a Junior Assistant; ineligible; no Sunday duty; half-holiday weekly; references required, also salary. Apply S. T. Kirton, Chemist, 53 Savile Street, Hull.

HULL.—Progressive firm of Retail Chemists have an opening for a smart qualified Manager to take charge of their branch; business good; lucrative permanency. "Hull" (75/500), Office of this Paper.

KENT (Desirable Locality).—Qualified Manager required; able to control and manage good-class Retail and Dispensing; busy business; must be energetic, and thoroughly trustworthy and capable; permanent; good references essential; good salary. Apply 78/13, Office of this Paper.

LEEDS.—Qualified lady Assistant for Dispensing and Retail department. State age, experience, salary required, and when disengaged, Reynolds & Branson, Ltd., Leeds.

LEICESTER.—Good opening for a capable unqualified Assistant; knowledge of Photographic trade an advantage; comfortable and permanent berth. "Leicester" (75/501), Office of this Paper.

LIVERPOOL.—A lady Assistant for high-class Dispensing and Counter work if required; three others on staff. State experience and usual particulars, G. H. Cole, The Pharmacy, Blundellsands.

LIVERPOOL.—Qualified Manager for branch; salary 4½ guineas weekly; no Sunday duty. Full particulars to R. and J. Herman, Pharmacists, Aintree, Liverpool.

LIVERPOOL.—Wanted, capable Assistant, male, ineligible, for a brisk city business. Apply, stating age, height, salary, and references, John Bain, 4 Quadrant, Lime Street, Liverpool.

LIVERPOOL.—Assistant (unqualified); brisk Counter trade; fair N.H.I.; war bonus in common with rest of staff, according to profits. State age, grade, and salary, with full particulars, to 78/3, Office of this Paper.

LIVERPOOL.—Required, a good all-round, honest, unqualified Assistant; able to Dispense (private and N.H.I.) and take charge of business when necessary; middle-aged man or wounded soldier not objected to if active and desiring a permanency; moderate salary, which state; Junior Assistant and two young ladies kept. "Settled" (78/2), Office of this Paper.

LONDON, E.—Unqualified Assistant required for a progressive business; good opening for a capable man, discharged from Army or Grade 3; permanency. "B. R." (75/503), Office of this Paper.

LONDON, N.—Dispenser of Light Counter required; 5 to 8 p.m. daily; Thursdays and Sundays excepted. Seldon, Chemist, 115 Turnpike Lane, Hornsey.

LONDON, N.—Lady Assistant required for Dispensing and Counter; outdoors; comfortable berth; one with shop experience preferred, but not essential. Apply, stating experience, age, height, and salary required, to Dow Brothers, 44 Seven Sisters Road, Holloway, N. 7.

LONDON, N.E.—Unqualified Assistant, either sex, for Drug Store; no Poisons; might suit elderly man or discharged soldier. Grant's Drug Stores, 33 Chatsworth Road, Clapton Park, N.E.

LONDON, S.W.—Manager for quick Retail business; no Sunday duty; smart capable man; outdoors. Full particulars, 74/24, Office of this Paper.

LONDON, S.W.—Assistant, with good knowledge of Dispensing, wanted to commence at early date. Please state experience, when disengaged, and salary expected, Amon, Chemist, 436 Streatham Common, S.W. 16.

LONDON, S.W.—Part-time or evenings only; gentleman with Dispensing and Light Retail experience. Apply personally, Banbury, 186 Lavender Hill, Clapham Junction.

LONDON, S.W.—An experienced Assistant required for first-class Dispensing business; salary £3 10s. weekly. Apply Pharmacist, 78/11, Office of this Paper.

LONDON, S.W.—Experienced Dispenser in first-class Pharmacy. Full particulars as to experience, references, and salary required, to 79/29, Office of this Paper.

LONDON, S.W.—Assistant (lady or gentleman) for quick Retail business; no Sunday or Bank Holiday duty. Apply 74/240, Office of this Paper.

LONDON, W.—Young lady Assistant for Light Retail and Dispensing business; must be a good Dispenser; permanency. "Berwick" (75/504), Office of this Paper.

LONDON, W.—Assistant, with first-class Dispensing experience; outdoors. State salary and all particulars to John Atkins, Chemist, Queen's Road, Bayswater, W. 2.

LONDON, W.—In first-class Dispensing business, thoroughly competent Assistant, ineligible or discharged, or lady with good practical Pharmacy experience. Apply by letter, stating age and salary (outdoors) required, to 78/24, Office of this Paper.

LONDON, W.—Wanted, a first-class qualified Assistant for West-End business; liberal salary, and progressive position for a really good man. Apply "X. Y. Z." (65/10), Office of this Paper.

LONDON, W.C. 1.—Assistant required (either sex) for first-class Dispensing; outdoors. Apply personally to A. Maitland & Co., 8 Torrington Place, Gordon Square, W.C. 1.

LONDON HOSPITAL, WHITECHAPEL ROAD, E.—Mr. F. H. Gillett, Ph.C., of the Dispensary staff, having been appointed Chief Dispenser of the Brompton Consumption Hospital, there is a vacancy for a Dispenser; lady or gentleman (if ineligible for military service); Minor qualification; hours 9 a.m. till 5 p.m., with occasional late duty; commencing salary £150. Apply to the Pharmaceutist.

MANCHESTER.—Assistant; qualified or unqualified. State age, experience when disengaged, salary (outdoors), and references to A. Jeans, 151 Oxford Road, Manchester.

MANCHESTER.—Unqualified Assistant, mainly for Counter work, in high-class Pharmacy. State full particulars and salary required, Westmacott & Son, 17 Market Street.

MARGATE.—Lady Assistant; accustomed to Dispensing, and routine of good-class Retail. State experience, age, salary required, to Evans, Chemist.

MIDLANDS.—Unqualified Assistant required for progressive Light Retail and Dispensing business; permanency. State when at liberty and salary required, "W." (75/50), Office of this Paper.

NEWPORT, MON.—Unqualified Assistant for Counter and Stock; moderate hours and comfortable berth to reliable man; outdoors. F. Clarke, 25 High Street, Newport.

OXFORD.—Wanted, a lady Assistant; must be a good Dispenser. State full particulars, with salary required (outdoors), to Cousins, Thomas & Sons, 63 Banbury Road, Oxford.

PRESTON, LANCS.—Unqualified Assistant required for a quick Cash Retail business; good knowledge of Photographic trade an advantage; comfortable and permanent berth. "Preston" (75/5), Office of this Paper.

SOUTH KENSINGTON, S.W.—Unqualified Assistant (outdoors); salary £3 15s. per week, in a good-class Dispensing and Family Retail; no N.H.I.; hours 9 a.m. to 8 p.m., Saturdays 9 p.m., some Sunday duty on alternate Sundays. Newman H. Schollar, M.P.S., Tennant's Pharmacy, 29 Sussex Place, S.W. 7.

SOUTH WALES.—Qualified Manager required for progressive branch, within 17 miles of Cardiff; man speaking Welsh preferred; liberal interest in the profits offered to any man who is prepared to put his whole energy into the business. "S. W." (75/502), Office of this Paper.

SURREY.—Assistant required for a good-class Pharmacy. Kindly send full particulars and salary required (outdoors) to "Thymol" (77/13), Office of this Paper.

WOLVERHAMPTON.—Unqualified Assistant for a good-class Retail and Dispensing business in centre of the town; easy hours; no Sunday or night duty. Applicants should send full particulars of experience, stating age and salary required, to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

YORKS, WEST RIDING.—Elderly qualified Chemist required; hours easy; work light; single man or widower preferred. "W. R." (75/505), Office of this Paper.

A DISPENSER is required for about two hours, from 5.30 or 6 p.m. daily (Sundays excepted), at a Doctor's Surgery in Battersea; no bookkeeping. Write or call upon Dr. Dodwell, 57 Albert Bridge, Battersea Park, S.W. 11.

ADVERTISER wants help; high-class Dispensing business; hours as reasonable as possible; experienced preferred. Apply 77/39, Office of this Paper.

ASSISTANT for Mixed Retail; 35-40; must be ineligible for Army, and accustomed to making B.P. preparations; be willing to undertake warehouse or any work; good Counterman and Dispenser; wages offered £130. Apply, with full particulars and copies of references, to "Beta" (72/24), Office of this Paper.

ASSISTANT (lady or gentleman) for light country Retail business; a little N.H.I. work; Counter and Dispensing experience; easy hours; healthy and pretty district. Apply, with full particulars, Ridley, Pharmaceutical Chemist, Tenterden, Kent.

ASSISTANT for Counter and Dispensing (at once); good salary; short hours; Sunday duty one in four. S. Briggs, Chemist, 126 Hoe Street, Walthamstow.

ASSISTANT, unqualified, ineligible (middle-aged preferred), reliable; good Stockkeeper, Window-dresser, and Salesman, required for medium-class business; permanency. Full particulars to W. E. Giles & Son, Chemists, Newport, Mon.

ASSISTANT (unqualified) for Drug Store; easy hours; good salary; best references only accepted; application from late Army compounder entertained. Apply 9 Wickham Lane, Plumstead, S.E. 18.

ASSISTANT, gentleman or lady, for Light Retail and Dispensing business; hours 9 to 7, Wednesdays 1, Saturdays 8, no Sunday duty. State age, experience, references, and salary, Thompson, Pharmaceutical Chemist, 31 The Grove, Ealing, W. 5.

ASSISTANT wanted for Bow; lady or gentleman; quick Counter trade. Usual particulars, 76/33, Office of this Paper.

ASSISTANT wanted, qualification not essential, for good-class Dispensing business. Age, previous experience, and salary required, Parker, Chemist, Scarborough.

ASSISTANT (outdoors) wanted; lady or gentleman; hours 9 till 7, Wednesday close 1 o'clock, Saturday 8 o'clock, no Sunday duty. Particulars to Bishop, Chemist, Thames Ditton.

DISPENSER for evenings about 6 to 8, for two or three months; qualified. Apply Harcombe Cuff, Ltd., 25 Friern Barnet Road, New Southgate, N. 11.

DISPENSER wanted; must be thoroughly capable, steady, good writer. Please give full particulars of age, height, salary required, previous experience, with photograph, to Chave & Jackson, Ltd., Chemists and Opticians, Hereford.

DISPENSER wanted (shortly) by medical man in North London, within easy 'bus ride of Bank; evening Dispenser, 6.30 to 9.15, required, but suitable full-time Dispenser entertained; please give particulars as to age, experience, salary required, sex, and mention references, also state whether full or part time work required; no application entertained unless above particulars, including salary expected, are mentioned to "Medicus" (77/2), Office of this Paper.

DISPENSER wanted (at once); must be good Salesman, and have knowledge of Photography; commencing salary £182 per annum, and commission. Apply "Progress" (77/6), Office of this Paper.

JUNIOR Assistant wanted, lady or gentleman, for good-class Dispensing and quick Counter; moderate hours and no Sunday duty. State experience and salary required (outdoors), R. H. Tootill, Pharmaceutical Chemist, Altrincham.

LADY Assistant wanted for Light Retail; part-time if required. Apply with full particulars, or personally, to F. P. Ordish, 204 High Road, Balham, S.W. 12.

LADY Dispenser; experienced. Apply Lewis & Burrows, Ltd., 146 Holborn Bars, E.C. 1.

LADY Dispenser wanted; neat, accurate, and energetic; qualified or unqualified; hours of business 8.30 to 7 o'clock, 8 on Saturday, half-day Wednesday, no holiday or Sunday duty; good salary to suitable applicant. Send all particulars to Chater, Chemists, Watford.

LADY Dispensers wanted, with knowledge of Counter work; good salary and commission. Apply Parke's Drug Stores, Ltd., 65 Harmood Street, Kentish Town, N.W. 1.

LADY Assistant wanted (at once), with some knowledge of Retail and Dispensing. Apply Messrs. Plaister & Co., 13 Gladhow Terrace, Old Brompton Road, South Kensington, S.W.

LADY Assistant for high-class business; duties chiefly Counter and Stock; one resident in London district preferred. Apply "Fairchild," Sloane Pharmacy, Sloane Square, S.W. 3.

LADY Assistant wanted; with or without Dispensing knowledge; good-class trade; comfortable hours; S.W. district. Apply personally, or by letter, Coppen Bros., Ltd., 12½ Carey Street, Vincent Square, Westminster, S.W. 1.

LADY Dispenser (experienced) for first-class London Pharmacy. Full particulars, with references and remuneration required, to Box 79/290, Office of this Paper.

MANAGER (qualified) wanted; capable of taking entire management (with assistance of principals) of an old-established business in the Midlands (private limited company); must be energetic, good organiser, and adaptable; permanency to suitable gentleman; prospects of future interest available; good salary. Apply 213/13, Office of this Paper.

MANAGER wanted for Barry. Also Assistant; Cardiff. State full particulars, age, salary required, experience, date disengaged, enclose photo if possible, W. T. Hicks & Co., 28 Duke Street, Cardiff.

PART-TIME Assistant wanted for Dispensing; male or female; Stock and Counter; good references essential. Apply, with full particulars, to Marshall & Co., 5 Pimlico Road, S.W. 1.

QUALIFIED Assistant (male or female) required in good-class suburban Pharmacy near Manchester; must be neat, accurate, and obliging; good at Counter, and able to take full charge during absence of principal; moderate hours. Apply, stating full experience and salary required (outdoors), 77/14, Office of this Paper.

QUALIFIED Managing Assistant required for good-class business: excellent prospects and permanency for capable man. Apply, stating salary and when disengaged, to Oliver, Chemist, Maidstone.

QUALIFIED Branch Manager wanted (at once); energetic and enterprising, with some knowledge of Photography; commencing salary £250 per annum, and commission. Apply 214/67, Office of this Paper.

QUALIFIED lady Assistant wanted (immediately) in good-class Retail and Dispensing business; present hours 8 to 6, Wednesday 1, Saturday 7. Please give usual particulars of experience, when disengaged, and salary required (outdoors), C. Polgreen, Chemist, Andover, Hants.

QUALIFIED Assistant wanted (at once). Please give fullest particulars of experience, salary, etc., to Frank A. Rogers, 327 Oxford Street, W. 1.

QUALIFIED Assistant; good reference essential. State full particulars, 77/24, Office of this Paper.

QUALIFIED lady Dispenser and Bookkeeper required by Doctor; East Coast; state age, experience, and salary required (outdoors). Apply 74/30, Office of this Paper.

REQUIRED, Dispenser, lady or gentleman, in large West-End firm; Minor qualifications preferred; competent and good experience necessary; hours of work 8.45 to 6, and 1 o'clock Saturdays, no Sunday duty. Apply personally or by letter, giving full particulars of past experience and salary required, to the Manager, Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

REQUIRED, lady Assistant for Front Counter in a large West-End establishment, with good knowledge of Drugs and Toilet articles; good salary and commission on sales. Apply, stating full particulars of past experience and salary required, to the Manager, Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

TOILET AND PERFUMERY.—Young lady for Chemist's Counter; Senior and Junior required. Apply Lewis & Burrows, Ltd., 146 Holborn Bars, E.C.

UNQUALIFIED Assistant wanted for Dispensing and Counter; National Insurance; Wednesday 1 o'clock, no Sunday duty. Full particulars, with salary required, 78/25, Office of this Paper.

WANTED, Assistant; ineligible; 49 hours' week; no Sunday duty. Full particulars, references, and salary to Cousins, Chemist, Leek.

WANTED, Manager; qualified; good business man. Please apply, stating age, experience, recent engagements, and salary required, to H. W. Herbert, Chemist, Egham, Surrey.

WANTED, lady Assistant for Dispensing and a little Counter work; good class; easy hours; outdoors. James H. Brown, Market Hill, Sudbury, Suffolk.

WANTED, a qualified lady and gentleman for high-class Dispensing and Retail Pharmacy in Yorkshire; outdoors. State experience and salary required, 77/8, Office of this Paper.

WANTED, thoroughly reliable and competent Assistant (knowledge of Homœopathy preferred, but not essential); to one wishing a permanency or succession this is a fine opportunity. Apply, with full particulars of experience, salary required, to Aukland, 96 Camden Road, London, N.W. 1.

WANTED, for good-class country business, competent Assistant; male or female; easy hours; no Sunday duty; salary £4 weekly. Apply, with full particulars as to age and experience, and photo if possible, to 77/7, Office of this Paper.

WANTED (immediately), fully-qualified male or female Dispenser; good wages; live out; permanency. Apply Manager, Junior Army and Navy Stores, Ltd., Union Street, Aldershot.

WANTED, Dispenser; easy post; no Sunday work; simple bookkeeping. Apply with testimonials, stating salary required, to Dr. Addenbrooke, Kidderminster.

WANTED, an Assistant, lady or gentleman, for good-class Business. Stevens, Chemist, Hampstead.

WANTED, lady Dispenser-Bookkeeper; recently qualified or otherwise; comfortable post; no Club or N.H.I. Dispensing. State age, experience, salary required (outdoors), enclose testimonials (copies), references, Dr. Wylie, 217 Iffley Road, Oxford.

WANTED, a competent and reliable Assistant as Manager, married, discharged or ineligible, to live over premises; good house and liberal salary; as early as possible. T. E. Savage, 30 Broadway, Crouch End, N. 8.

WANTED (immediately), an experienced Temporary Dispenser for four or six weeks, in a high-class general practice in the West Midlands; good salary. Apply, with testimonials, etc., to C. H. Huish & Co., 12 Red Lion Square, London, W.C. 1.

WANTED (immediately), reliable Assistant Dispenser; liberal terms for immediate help. Clegg, Chemist, Wantage.

WANTED, unqualified Assistant. Apply personally, if possible, to Manager, Waldorf Pharmacy, Aldwych.

WANTED, a qualified lady as Assistant Dispenser. Apply, stating age, salary required (photo if possible), and references, to Messrs. Wyllys, Wyllys & Ley, Surgeons, Great Yarmouth.

WELL-EDUCATED young lady wanted (at once), outdoors, for Counter and Stock; previous experience essential. State salary required, age, and give references in first letter to A. Middleton & Son, Pharmacists, Lister Gate, Nottingham.

YOUNG lady Assistant for good middle-class business, to put up stock and assist at Counter. Apply, giving references and salary required, Davies, Chemist, 390 High Street, Manor Park, E. 12.

70S., increasing; unqualified active Assistant for good-class Retail; Dispensing and Photo business; excellent prospects for good worker and smart Salesman. H. Hall, 31 The Broadway, Crouch End, N. 8.

WHOLESALE.

A RESPONSIBLE position occurs in the Continental department of a large London Wholesale Druggists; must be ineligible; a good knowledge of French and the Drug trade essential. Write, with full particulars, to "H." (214/8), Office of this Paper.

ALLEN & HANBURYS, LTD., Bethnal Green, E., require an intelligent young man for their order pricing department; must be able to read readily varied Drug orders, and be a quick and accurate worker. Applications in own handwriting, stating age, experience, and salary required, to F. L. D., c/o the above.

EXPERIENCED Tablet Maker wanted to take charge of department. Write 212/30, Office of this Paper.

EXPERIENCED man required for large Packed Goods department; able to assist Manager and control mixed staff; Liverpool. Apply, stating age, Army category, when disengaged, and fullest particulars generally, "X. Y. Z." (213/200), Office of this Paper.

EXPERIENCED Representatives required for the sale of high-class Toilet Soaps and requisites. Give fullest information as to age, experience, ground covered, military standing, salary required, etc., to F. S. Cleaver & Sons, Ltd., Twickenham.

EXPORT.—Wanted, capable man to take full charge of Export department in provinces. Apply 213/20, Office of this Paper.

MANAGER, qualified, ineligible, wanted in Laboratory of old-established London Drug house. Also qualified Manager for Dispatch Counter. Apply, with details, to "X. Y. Z." (202/17), Office of this Paper.

MANUFACTURING DEPARTMENT.—Unqualified Assistant to prepare Pharmacopœial preparations and Proprietaries, and to take charge of Machinery for dry mixing, crushing and grinding Drugs, and the milling of Ointments, etc. Applicants, who must be ineligible for military service, should send full particulars of experience, stating age and salary required, to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

QUALIFIED Junior Laboratory Assistant wanted for high-class Manufacturing Pharmaceutical house; Laboratory experience essential; excellent prospects for suitable man. Apply 212/39, Office of this Paper.

SMART Travellers required on good commission basis (£10-£20 weekly), to introduce a first-class repeater (Sugar Substitute); only those need apply who can sell on pro forma terms. Give full particulars and references, in strict confidence, to 29/9, Office of this Paper.

STOCKKEEPER wanted for Manufacturing Chemists; N.W. district; must have knowledge of Drugs and used to handling packed goods; permanent work and good wages for practical man. Apply 212/390, Office of this Paper.

TABLET Maker or Granulator wanted; Liverpool; permanent post; good salary. Apply 137/18, Office of this Paper.

WANTED, an experienced Tablet Maker and an Assistant Pill Maker. R. Sumner & Co., 40 Hanover Street, Liverpool.

WANTED, Invoice Clerk; must be quick at figures. Apply by letter in first case to Secretary, Wright, Layman & Umney, Ltd., 44-50 Southwark Street, S.E. 1.

WANTED, a thoroughly experienced foreign Sales Manager for Drugs, Chemicals, etc. State details fully to "Manager" (214/46), Office of this Paper.

WANTED by a firm of Wholesale Manufacturing Druggists in the Northern Midlands, a competent man to take entire charge of the manufacturing Laboratory for the preparation of all Galenicals and manufactured articles kindred to the Chemists' business. In applying please give the fullest particulars as to age, experience, salary, etc., 213/60, Office of this Paper.

WANTED for Despatch department, to check prices of Chemists' Sundries, Toilet, and Manicure requisites, etc., a man able to supervise general details and supervise despatch of wholesale orders; a knowledge of high-class Chemists' requirements a necessity; a lady with requisite experience not objected to. Apply first by letter, R. J. Reuter, 69 Carter Lane, E.C. 4.

WANTED, experienced Tablet Machinist. Apply W. B. Cartwright, Ltd., Tablet Makers, Rawdon, near Leeds.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

[HOME.]

RETAIL.

ADVERTISER desires management or locum; 55; experienced; disengaged. "J. S.," 139 Linthorpe Road, Middlesbrough.

ADVERTISER; 20 years' first-class experience; Locum or Manager; unregistered; good salary required. "Lenoil," 400a Holloway Road, N.

ADVERTISER, 38, unqualified, ineligible, varied experience, used to sole control, also locum work, seeks post; highly recommended; salary £3 10s. Please state hours, 77/37, Office of this Paper.

ASSISTANT, 24, Grade III., good-class experience, Dispensing, Counter, and Photography, desires change; at liberty January 1st; state salary, hours, etc.; North preferred. Apply 78/23, Office of this Paper.

CHEMIST, with good all-round experience, desires berth as Manager; Birmingham or Midlands preferred; Grade 3. Apply 77/5, Office of this Paper.

CHEMIST desires appointment; locum or permanent; 25 years' varied experience; no objection to N.H.I. work. State salary offered, "Statim," 2 Mount Pleasant Terrace, Plymouth.

CLERICAL; evening work of any kind; terms moderate. Write "F. G." (49/5), Office of this Paper.

DISCHARGED soldier, unqualified, age 40, 25 years' experience Drug trade, Wholesale or Retail, seeks situation in or near Bristol; good references given; salary 60s. to 65s. per week. Apply 74/40, Office of this Paper.

DISENGAGED; unqualified; 50; permanent or otherwise; experienced. "Aspirin," 37 Upper Kennington Lane, S.E.

DISPENSER (Hall), Hospital experience, desires post; Doctor or Institution; Leeds, Bradford, or Keighley district preferred; excellent testimonials. Dispenser, 378 Ecclesall Road, Sheffield.

DISPENSER, Bookkeeper, Dresser, Extractor. "W.," 28 Park Grove, West Ham, E. 15.

DISPENSER, lady, Hall qualifications, excellent Doctor experience, desires post; Manchester or Liverpool preferable. Owen, 29 Dinorwic Street, Carnarvon.

DISPENSER, lady, unqualified, requires post; good experience; thoroughly reliable. Apply 77/22, Office of this Paper.

ELDERLY; qualified; permanency; short hours; active, reliable, experienced Dispenser; N.H.I.; disengaged; London; £3. H. Gibbs, 31 Alexander Street, Bayswater, W. 2.

EVENING Dispensing required in London by qualified man. Apply 69/20, Office of this Paper.

EVENING Dispensing required by lady; Notting Hill or easy reach; Pharmacy experience; well recommended; Hall certificate. Apply 77/17, Office of this Paper.

LADY Dispenser; Hall; reading Minor; aged 31; three years' first-class experience; £156; shortly disengaged. Apply "Progress" (75/4), Office of this Paper.

LADY Dispenser; Hall; preferably with London Doctor, or Dispensing only with Chemist. Miss Stuart, South Lea, St. Peter's Road, St. Albans.

LADY Dispenser would like post with Doctor or Chemist; unqualified, but experienced. 342 Brixton Road, Brixton, S.W. 9.

LADY; unqualified; excellent experience in Counter and Dispensing. Apply 77/40, Office of this Paper.

LOCUM, qualified, disengaged after November 9th. "Cito," c/o Morris, Chemist, Wednesbury.

LOCUM; qualified; Hospital or Pharmacy; thorough all-round experience; exempt; abstainer. "Metropolis" (78/8), Office of this Paper.

LOCUM or Manager; highest references. Apply 77/31, Office of this Paper.

MANAGER, qualified, Grade 3, 27, desires position in Midlands (Birmingham district); preferably with house accommodation. Apply 72/34, Office of this Paper.

MANAGER; qualified; exempt; married; all-round experience; trustworthy; sole control, with living accommodation over shop; Manchester, Sheffield, or Leeds districts preferred. Apply 62/26, Office of this Paper.

MANAGER; qualified; sound business knowledge; much Prescribing and Dispensing experience; good references; abstainer; 55; active; healthy; disengaged; temporary or otherwise. Apply 76/37, Office of this Paper.

MANAGING Assistant; abstainer; tall; rejected; A1 references; present West-End (three years); unqualified; Photography; permanency; age 37. "Scotia" (74/3), Office of this Paper.

PART-TIME WORK.—Doctor's daughter (experienced) seeks post or locum. Apply 72/26, Office of this Paper.

QUALIFIED Manager desires permanent position; disengaged end of November; used to sole control; 15 years last berth. Apply 74/25, Office of this Paper.

QUALIFIED, 28, ineligible, married, desires management or Senior Assistantship; London suburb; succession entertained, not essential; good and willing worker; strictly sober habits. Apply 74/29, Office of this Paper.

QUALIFIED lady Dispenser requires post with Chemist; previous experience; Essex preferred. Apply 63/9, Office of this Paper.

QUALIFIED; 46; active; moderate hours or part-time. Apply 77/4, Office of this Paper.

QUALIFIED; elderly; single; best-class experience; easy hours; moderate salary; London. Apply 77/15, Office of this Paper.

SECRETARY and Manager to progressive firm; hard worker. Roberts, 29 Hanover Gardens, Kennington Oval.

YOUNG lady Assistant desires post in or near Torquay; six years' experience. Apply 72/23, Office of this Paper.

WHOLESALE.

ADVERTISER (53) desires responsible position as Stockkeeper or in the Warehouse of Wholesale house (London); 25 years' experience in present position as Working Manager of a small old-established Wholesale house; excellent references. Apply 72/33, Office of this Paper.

ADVERTISER (30), unqualified, married, discharged, desires change; 14 years' thorough all-round high-class Retail, Dispensing, Photographic, and some Wholesale experience; seeks permanency with good prospects; representative, office, or any position except Retail. Apply 76/40, Office of this Paper.

ADVERTISER (48), many years' good Wholesale experience, desires position of trust; disengaged shortly; moderate salary. Apply 76/27, Office of this Paper.

ADVERTISER, who has had 10 years' experience in Retail Pharmacies and 5 years in large offices, requires responsible post with first-class Wholesale or Manufacturing firm; accustomed to organisation, and control of staff and correspondence. Apply 78/19, Office of this Paper.

ADVERTISER (47) would negotiate for appointment as Representative; experienced West of England; or as Warehouse Manager; Oils, Essences, Drugs, etc. Full particulars to 15/15, Office of this Paper.

CHEMICAL man; wide knowledge home and foreign trade; exceptional facilities for securing business abroad; splendid prospects; open for after-war engagement. Apply 61/330, Office of this Paper.

SHORTHAND-TYPIST.—Young lady desires re-engagement; 10 years' experience in Chemical trade; London district. Reply to 76/28, Office of this Paper.

MISCELLANEOUS.

CHEMIST'S S.H. Mahogany Drug Fitting, Mirror Cupboards, Glass-fronted Counter, Drawers at back, Wall Case, Dispensing Screen and Counter, Bent-glass Counter Case; good as new; £77; bargain. Mills, Chemist, Shopfitter and Shop-front Builder, Steam Works, 163-5 Old Street, E.C. 'Phone: 556 London Wall.

LICORICE Pure Block Juice, 1½ tons, for sale, spot. Apply 68/10, Office of this Paper.

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